Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

NTP Study Number: A91924

Study Result: Negative

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	118 ± 5.8	107 ± 6.5	127 ± 5.0	138 ± 6.1	118 ± 8.9
100.0	129 ± 5.9	116 ± 7.0	119 ± 5.8	151 ± 14.2	133 ± 4.2
333.0	128 ± 9.8	125 ± 5.9	121 ± 3.7	140 ± 7.9	121 ± 8.1
1000.0	126 ± 9.6	125 ± 0.0	127 ± 5.1	146 ± 2.7	106 ± 1.2
3333.0	131 ± 2.8	121 ± 10.7	129 ± 5.5	142 ± 5.7	122 ± 3.4
10000.0	113 ± 3.2	112 ± 8.1	103 ± 4.2	129 ± 6.7	110 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					641 ± 19.1
Positive Control[3]			593 ± 13.8		
Positive Control[4]	951 ± 25.6	974 ± 25.5			
Positive Control[5]				629 ± 50.7	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	156 ± 4.0
100.0	149 ± 5.4
333.0	157 ± 7.0
1000.0	157 ± 10.7
3333.0	127 ± 1.5
10000.0	126 ± 8.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1022 ± 22.5
Positive Control[4]	
Positive Control[5]	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.2	13 ± 1.2	11 ± 1.5	9 ± 0.9	12 ± 3.4
100.0	10 ± 1.5	12 ± 1.3	13 ± 0.9	8 ± 0.9	11 ± 2.0
333.0	6 ± 0.6	12 ± 2.2	14 ± 2.9	7 ± 1.2	14 ± 0.3
1000.0	9 ± 0.7	13 ± 3.2	11 ± 0.9	12 ± 1.2	14 ± 1.3
3333.0	8 ± 2.1	11 ± 2.2	14 ± 0.9	9 ± 1.7	13 ± 1.5
10000.0	11 ± 1.8	11 ± 1.3	9 ± 0.7	8 ± 0.3	9 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					232 ± 21.0
Positive Control[4]	980 ± 23.7	1017 ± 44.8			
Positive Control[5]			209 ± 10.3		
Positive Control[6]				134 ± 9.8	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 1.5
100.0	7 ± 0.7
333.0	8 ± 1.2
1000.0	8 ± 1.9
3333.0	10 ± 1.5
10000.0	9 ± 1.5
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	170 ± 3.1
Positive Control[6]	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	170 ± 7.8	166 ± 14.2	191 ± 12.0	178 ± 14.9	167 ± 4.4
100.0	172 ± 10.5	157 ± 19.5	190 ± 3.2	152 ± 8.5	186 ± 6.7
333.0	156 ± 1.8	178 ± 11.6	172 ± 7.0	192 ± 17.1	175 ± 8.0
1000.0	168 ± 7.1	175 ± 0.7	160 ± 1.2	168 ± 19.0	151 ± 11.3
3333.0	165 ± 8.6	146 ± 10.9	178 ± 6.7	148 ± 14.5	164 ± 12.6
10000.0	166 ± 1.2	176 ± 6.3	159 ± 17.1	184 ± 3.2	146 ± 18.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					590 ± 16.6
Positive Control[3]			462 ± 20.5		
Positive Control[5]				544 ± 17.2	
Positive Control[7]	491 ± 14.6	499 ± 6.6			

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	194 ± 12.9
100.0	185 ± 3.8
333.0	180 ± 13.5
1000.0	183 ± 7.1
3333.0	178 ± 9.2
10000.0	146 ± 34.3
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	605 ± 4.9
Positive Control[5]	
Positive Control[7]	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 0.7	13 ± 2.6	21 ± 4.0	17 ± 1.2	22 ± 3.0
100.0	16 ± 1.2	15 ± 2.0	21 ± 4.9	21 ± 2.5	22 ± 3.3
333.0	17 ± 2.1	12 ± 1.2	20 ± 4.1	17 ± 2.0	18 ± 3.2
1000.0	16 ± 4.9	15 ± 2.1	25 ± 1.3	21 ± 3.5	27 ± 3.0
3333.0	16 ± 2.6	13 ± 0.9	21 ± 1.5	20 ± 0.7	26 ± 0.9
10000.0	11 ± 3.4	10 ± 2.4	18 ± 4.0	18 ± 4.4	22 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					449 ± 17.6
Positive Control[3]			250 ± 19.5		
Positive Control[8]	319 ± 7.7	347 ± 16.8			
Positive Control[5]				511 ± 34.1	

Experiment Number: **A91924**

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

G06: Ames Summary Data

Test Compound: **Cyanogen chloride**

CAS Number: **506-77-4**

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

Time Report Requested: **12:18:44**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	22 ± 2.2
100.0	20 ± 0.7
333.0	22 ± 2.0
1000.0	18 ± 3.5
3333.0	22 ± 1.7
10000.0	22 ± 1.9
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	841 ± 75.9
Positive Control[8]	
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: Water
2: 1.0 ug/Plate 2-Aminoanthracene
3: 2.0 ug/Plate 2-Aminoanthracene
4: 5.0 ug/Plate Sodium Azide
5: 5.0 ug/Plate 2-Aminoanthracene
6: 10.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **