Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

NTP Study Number: 818172

Study Result: Negative

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	120 ± 7.7	114 ± 3.8	148 ± 2.9	134 ± 8.7	168 ± 6.2
100.0	102 ± 5.2	91 ± 2.8	146 ± 7.0	129 ± 2.8	244 ± 9.4
333.0	139 ± 8.8	112 ± 10.5	179 ± 1.9	133 ± 14.6	163 ± 9.0
1000.0	122 ± 6.0	110 ± 4.5	196 ± 13.9	134 ± 22.2	161 ± 1.2
3333.0	119 ± 2.6	107 ± 3.3	155 ± 10.1	127 ± 6.3	199 ± 15.1
9900.0	80 ± 6.2	50 ± 13.2	98 ± 12.4	77 ± 12.0	107 ± 7.3
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control[2]			1476 ± 216.1	2279 ± 118.6	1876 ± 186.4
Positive Control[3]	640 ± 17.2	439 ± 26.6			

Experiment Number: **818172**

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

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	160 ± 10.3
100.0	181 ± 26.2
333.0	144 ± 6.4
1000.0	138 ± 10.2
3333.0	154 ± 21.4
9900.0	92 ± 15.1
Trial Summary	Negative
Positive Control[2]	1243 ± 165.9
Positive Control[3]	

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.3	4 ± 1.5	11 ± 1.8	10 ± 0.9	8 ± 0.6
100.0	6 ± 0.3	4 ± 1.2	10 ± 1.0	6 ± 1.3	11 ± 2.9
333.0	7 ± 0.3	4 ± 1.2	8 ± 2.0	6 ± 0.6	10 ± 1.5
1000.0	9 ± 0.7	3 ± 1.7	12 ± 1.8	8 ± 2.8	10 ± 0.9
3333.0	7 ± 0.7	Toxic	9 ± 0.7	Toxic	3 ± 0.3
9900.0	9 ± 1.5	Toxic	8 ± 0.7	Toxic	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			321 ± 12.5	63 ± 2.8	296 ± 16.2
Positive Control[3]	715 ± 23.4	468 ± 52.1			

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.5
100.0	6 ± 1.0
333.0	5 ± 1.9
1000.0	5 ± 1.5
3333.0	3 ± 0.7
9900.0	3 ± 1.5
Trial Summary	Negative
Positive Control[2]	36 ± 3.5
Positive Control[3]	

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	3 ± 0.6	3 ± 0.3	8 ± 0.9	8 ± 0.3	9 ± 2.3
10.0		4 ± 0.6		9 ± 0.7	
33.0		3 ± 0.6		6 ± 3.3	
100.0	5 ± 0.7	3 ± 1.2	10 ± 2.0	6 ± 2.1	10 ± 0.6
333.0	2 ± 0.3	Toxic	11 ± 1.7	7 ± 2.3	10 ± 0.7
1000.0	5 ± 0.7	Toxic	12 ± 0.0	Toxic	6 ± 2.3
3333.0	Toxic		Toxic		9 ± 1.5
9900.0	Toxic		0 ± 0.0		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			156 ± 2.0	137 ± 14.5	141 ± 9.0
Positive Control[4]	721 ± 151.0	378 ± 88.7			

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2
10.0	
33.0	6 ± 2.0
100.0	6 ± 1.2
333.0	5 ± 2.2
1000.0	Toxic
3333.0	Toxic
9900.0	
Trial Summary	Negative
Positive Control[2]	161 ± 17.0
Positive Control[4]	

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 3.4	13 ± 2.6	29 ± 3.3	21 ± 4.5	33 ± 5.6
100.0	26 ± 1.2	12 ± 2.9	39 ± 1.2	22 ± 3.0	35 ± 2.3
333.0	19 ± 1.9	13 ± 0.9	35 ± 1.2	24 ± 4.4	33 ± 2.0
1000.0	18 ± 1.0	12 ± 0.3	46 ± 3.4	18 ± 7.5	36 ± 3.8
3333.0	19 ± 1.5	10 ± 2.2	31 ± 3.5	21 ± 1.8	24 ± 1.2
9900.0	23 ± 0.9	9 ± 3.1	29 ± 0.9	18 ± 1.8	22 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1793 ± 165.6	1253 ± 99.8	1975 ± 107.3
Positive Control[5]	320 ± 10.7	221 ± 31.4			

Experiment Number: **818172**

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

G06: Ames Summary Data

Test Compound: **2,6-Xylidine**

CAS Number: **87-62-7**

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

Time Report Requested: **14:26:40**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	15 ± 3.7
100.0	16 ± 0.9
333.0	22 ± 3.4
1000.0	20 ± 2.6
3333.0	15 ± 2.0
9900.0	16 ± 3.8
Trial Summary	Negative
Positive Control[2]	892 ± 38.4
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: Dimethyl Sulfoxide
2: 1.0 ug/Plate 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **