NTP Study Number: 071446

Study Result: Negative

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	84 ± 3.8	104 ± 7.9	84 ± 6.2	93 ± 1.2	95 ± 4.5
100.0	93 ± 2.3	83 ± 8.5	79 ± 4.3	102 ± 6.8	96 ± 0.7
333.0	84 ± 4.8	86 ± 3.5	100 ± 6.6	106 ± 14.8	85 ± 0.3
1000.0	99 ± 4.9	85 ± 5.9	91 ± 6.8	99 ± 9.0	82 ± 3.8
3333.0	84 ± 3.5	82 ± 6.6	82 ± 1.9	101 ± 5.9	85 ± 11.6
6667.0	82 ± 2.7				
10000.0		Toxic	68 ± 30.5[s]	75 ± 9.7[s]	67 ± 2.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					621 ± 15.0
Positive Control[3]	390 ± 28.6	360 ± 5.2			
Positive Control[4]			635 ± 29.1		
Positive Control[5]					
Positive Control[6]				601 ± 27.9	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	108 ± 10.2
100.0	108 ± 7.3
333.0	108 ± 7.2
1000.0	113 ± 9.6
3333.0	113 ± 2.5
6667.0	
10000.0	91 ± 6.6[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	332 ± 2.9
Positive Control[6]	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.3	24 ± 1.5	10 ± 0.9	12 ± 2.3	9 ± 4.0
100.0	18 ± 1.8	19 ± 1.7	11 ± 0.0	12 ± 0.7	9 ± 1.5
333.0	11 ± 0.9	18 ± 0.9	11 ± 2.5	12 ± 2.7	6 ± 1.7
1000.0	13 ± 2.4	19 ± 2.7	10 ± 0.6	10 ± 0.6	6 ± 0.3
3333.0	10 ± 0.6	14 ± 2.6	10 ± 1.0	11 ± 1.5	9 ± 1.9
10000.0	4 ± 0.5[s]	4 ± 0.5[s]	3 ± 0.0[s]	5 ± 0.3[s]	4 ± 1.2[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					45 ± 2.2
Positive Control[3]	242 ± 15.6	261 ± 25.5			
Positive Control[5]					
Positive Control[6]			157 ± 5.0	161 ± 16.5	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 1.5
100.0	16 ± 2.6
333.0	8 ± 2.2
1000.0	10 ± 1.5
3333.0	10 ± 0.9
10000.0	4 ± 1.9[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	59 ± 5.9
Positive Control[6]	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	9 ± 0.3	6 ± 1.8	11 ± 2.7
100.0	7 ± 1.2	11 ± 1.5	11 ± 2.8
333.0	9 ± 1.0	11 ± 1.0	8 ± 0.9
1000.0	10 ± 1.3	12 ± 1.2	11 ± 4.9
3333.0	4 ± 1.0	7 ± 1.0	7 ± 0.6
10000.0	1 ± 0.7[s]	2 ± 0.3[s]	3 ± 0.9[s]
Trial Summary	Negative	Negative	Negative
Positive Control[7]		60 ± 1.8	81 ± 3.2
Positive Control[8]	24 ± 0.6		

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	93 ± 5.7	79 ± 3.7	126 ± 16.0	187 ± 9.6	132 ± 3.8
100.0	89 ± 2.2	76 ± 7.8	128 ± 3.2	199 ± 4.3	124 ± 8.0
333.0	87 ± 8.0	79 ± 4.7	112 ± 7.2	202 ± 3.8	122 ± 13.4
1000.0	79 ± 7.6	86 ± 12.7	106 ± 10.0	186 ± 5.3	100 ± 7.8
3333.0	85 ± 7.0	78 ± 4.5	104 ± 5.7	173 ± 9.0	94 ± 6.6
10000.0	0 ± 0.0[s]	Toxic	6 ± 4.0[s]	32 ± 5.8[s]	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					650 ± 11.5
Positive Control[6]			1205 ± 38.3		
Positive Control[7]				554 ± 9.3	
Positive Control[9]	186 ± 0.3	329 ± 23.0			

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	165 ± 3.7
100.0	191 ± 12.3
333.0	179 ± 8.1
1000.0	154 ± 3.8
3333.0	134 ± 1.2
10000.0	18 ± 6.5[s]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	531 ± 37.7
Positive Control[9]	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

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 ± 2.7	11 ± 1.5	34 ± 2.7	28 ± 5.4	20 ± 3.0
100.0	14 ± 2.2	22 ± 1.5	23 ± 3.0	27 ± 2.2	32 ± 2.9
333.0	13 ± 0.0	17 ± 1.2	32 ± 1.5	26 ± 4.6	21 ± 0.3
1000.0	14 ± 3.0	17 ± 0.6	23 ± 2.7	23 ± 0.3	25 ± 2.6
3333.0	13 ± 1.2	20 ± 1.9	27 ± 3.2	32 ± 5.8	26 ± 4.1
6667.0	15 ± 1.0				
10000.0		Toxic	Toxic	10 ± 1.5[s]	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					162 ± 1.7
Positive Control[2]			262 ± 13.2		
Positive Control[11]	197 ± 2.7	171 ± 3.8			
Positive Control[5]				174 ± 14.1	

Experiment Number: **071446**

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

G06: Ames Summary Data

Test Compound: **o-Chlorobenzoic acid**

CAS Number: **118-91-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **23:57:16**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	22 ± 1.7
100.0	24 ± 5.8
333.0	25 ± 3.8
1000.0	22 ± 3.3
3333.0	22 ± 6.4
6667.0	
10000.0	3 ± 0.7[s]
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	81 ± 3.7
Positive Control[11]	
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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 4.0 ug/Plate 9-Aminoacridine
9: 8.0 ug/Plate 9-Aminoacridine
10: 0.2 ug/Plate 2-Aminoanthracene
11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **