Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

NTP Study Number: 767736

Study Result: Negative

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	123 ± 11.9	114 ± 3.8	113 ± 3.2	109 ± 6.7	109 ± 5.0
10.0	116 ± 5.3	112 ± 10.6	87 ± 0.9	120 ± 8.1	91 ± 4.0
33.0	120 ± 5.9	131 ± 1.0	110 ± 3.7	118 ± 5.8	117 ± 4.7
100.0	114 ± 12.4	122 ± 7.7	80 ± 7.0	110 ± 9.9	117 ± 8.6
333.0	113 ± 8.7	122 ± 8.0	112 ± 6.2[s]	106 ± 7.8	112 ± 8.2
666.0		119 ± 9.6		93 ± 6.5[s]	
1000.0	73 ± 1.8[s]		61 ± 9.3[s]		71 ± 1.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					123 ± 3.2
Positive Control[3]			1383 ± 48.2	1512 ± 9.0	
Positive Control[4]	2041 ± 105.5	2355 ± 71.8			

Experiment Number: **767736**

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G06: Ames Summary Data

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Date Report Requested: **09/17/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	101 ± 1.7	99 ± 3.3
10.0	107 ± 6.1	95 ± 2.9
33.0	113 ± 9.7	105 ± 7.8
100.0	91 ± 3.9	102 ± 3.5
333.0	96 ± 11.1	97 ± 3.5
666.0		91 ± 7.0[s]
1000.0	65 ± 5.8[s]	
Trial Summary	Negative	Negative
Positive Control[2]	2618 ± 119.5	2534 ± 128.1
Positive Control[3]		
Positive Control[4]		

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	34 ± 1.5	24 ± 3.1	10 ± 2.2	10 ± 2.6	14 ± 2.1
10.0	24 ± 0.9	25 ± 4.2	8 ± 2.1	11 ± 1.2	9 ± 1.8
33.0	31 ± 5.2	24 ± 2.0	9 ± 2.9	12 ± 1.2	12 ± 1.2
100.0	26 ± 2.3	29 ± 3.3	7 ± 1.2	8 ± 1.9	14 ± 2.2
333.0	18 ± 5.3	27 ± 1.9	11 ± 1.5[s]	11 ± 2.5	12 ± 2.2
666.0		23 ± 2.6[s]		9 ± 1.9[s]	
1000.0	21 ± 1.7[s]		13 ± 0.9[s]		9 ± 2.2[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					256 ± 17.1
Positive Control[3]			50 ± 4.9	106 ± 13.8	
Positive Control[4]	1144 ± 60.2	1497 ± 54.6			

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	12 ± 1.5
10.0	5 ± 0.7
33.0	11 ± 2.6
100.0	9 ± 1.5
333.0	6 ± 0.9
666.0	9 ± 0.9
1000.0	
Trial Summary	Negative
Positive Control[2]	184 ± 14.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.0	6 ± 0.9	10 ± 2.2	7 ± 1.5	8 ± 1.5
10.0	8 ± 2.9	8 ± 1.8	8 ± 1.2	7 ± 1.7	5 ± 1.2
33.0	4 ± 0.3	7 ± 2.1	12 ± 2.0	6 ± 1.2	4 ± 0.9
100.0	7 ± 2.0	5 ± 0.6	9 ± 2.0	8 ± 0.9	9 ± 0.9
333.0	7 ± 0.9	4 ± 1.2	7 ± 2.1	6 ± 1.7	9 ± 2.0
666.0		7 ± 1.9		9 ± 1.7	
1000.0	4 ± 0.3[s]		5 ± 0.0[s]		4 ± 0.6[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					362 ± 61.1
Positive Control[3]			87 ± 3.7	143 ± 11.0	
Positive Control[5]	106 ± 15.2	3435 ± 271.9[s]			

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 2.8
10.0	9 ± 1.0
33.0	9 ± 2.7
100.0	11 ± 0.6
333.0	8 ± 1.2
666.0	12 ± 1.8
1000.0	
Trial Summary	Negative
Positive Control[2]	276 ± 12.9
Positive Control[3]	
Positive Control[5]	

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 2.6	20 ± 1.0	27 ± 2.4	18 ± 1.7	24 ± 1.5
10.0	14 ± 1.2	17 ± 1.9	32 ± 2.2	25 ± 4.6	31 ± 4.1
33.0	16 ± 3.2	20 ± 2.0	30 ± 3.3	21 ± 2.6	36 ± 5.7
100.0	21 ± 3.8	19 ± 2.3	26 ± 5.4	24 ± 1.2	35 ± 4.0
333.0	19 ± 1.2	13 ± 1.2	34 ± 5.6	22 ± 3.5	26 ± 4.9
666.0		11 ± 1.2[s]		26 ± 3.6[s]	
1000.0	13 ± 1.5[s]		18 ± 3.9[s]		16 ± 0.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					23 ± 1.0
Positive Control[3]			931 ± 24.7	1107 ± 22.6	
Positive Control[6]	1861 ± 64.8	2886 ± 57.6			

Experiment Number: **767736**

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

G06: Ames Summary Data

Test Compound: **n-Butyl chloride**

CAS Number: **109-69-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:14:48**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	30 ± 3.7	24 ± 2.2
10.0	33 ± 3.5	21 ± 3.0
33.0	27 ± 3.0	23 ± 0.9
100.0	25 ± 0.7	22 ± 2.0
333.0	31 ± 4.4	27 ± 3.0
666.0		22 ± 3.8[s]
1000.0	20 ± 3.5[s]	
Trial Summary	Negative	Negative
Positive Control[2]	2714 ± 108.0	2136 ± 28.5
Positive Control[3]		
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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **