Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:10:43**

NTP Study Number: 573751

Study Result: Positive

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:10:43**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	132 ± 11.5	75 ± 6.4	138 ± 4.5	101 ± 6.4	122 ± 9.7
10.0	147 ± 14.4	91 ± 7.4			
33.0	145 ± 1.2	109 ± 2.7	156 ± 9.1	95 ± 4.5	131 ± 5.9
100.0	217 ± 7.9	147 ± 0.9	190 ± 33.7	104 ± 3.2	141 ± 2.1
333.0	260 ± 17.1[s]	251 ± 14.2	279 ± 0.9	179 ± 2.3	304 ± 25.2
667.0	29 ± 21.7[s]	166 ± 2.6[s]			
1000.0			322 ± 12.6	254 ± 17.7	348 ± 20.7
2000.0			135 ± 8.7	183 ± 6.3	106 ± 16.2[s]
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control[2]					468 ± 9.6
Positive Control[3]	250 ± 26.0	177 ± 10.3			
Positive Control[4]			497 ± 19.5	363 ± 12.0	

Experiment Number: **573751**

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Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

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Date Report Requested: **09/14/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	125 ± 30.3
10.0	
33.0	97 ± 5.3
100.0	95 ± 9.9
333.0	183 ± 4.1
667.0	
1000.0	242 ± 11.0
2000.0	210 ± 13.2[s]
Trial Summary	Weakly Positive
Positive Control[2]	374 ± 12.5
Positive Control[3]	
Positive Control[4]	

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:10:43**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 3.3	6 ± 2.8	8 ± 1.5
10.0	10 ± 3.2		
33.0	12 ± 2.3	6 ± 1.2	9 ± 0.6
100.0	18 ± 2.4	9 ± 1.7	6 ± 0.6
333.0	7 ± 1.2[s]	10 ± 1.8	10 ± 1.7
667.0	1 ± 0.3[s]		
1000.0		7 ± 1.8	10 ± 1.8[s]
2000.0		4 ± 1.2[s]	5 ± 1.5[s]
Trial Summary	Negative	Negative	Negative
Positive Control[2]			61 ± 2.8
Positive Control[3]	120 ± 4.9		
Positive Control[5]		173 ± 16.0	

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	68 ± 6.1	70 ± 3.2	208 ± 3.8	129 ± 14.5	179 ± 10.7
10.0	108 ± 6.4	85 ± 9.2			
33.0	148 ± 2.3	124 ± 3.3	197 ± 11.0	123 ± 3.6	188 ± 7.0
100.0	308 ± 20.3	269 ± 12.0[s]	211 ± 3.9	172 ± 2.9	275 ± 2.3
333.0	828 ± 21.9[s]	217 ± 25.0[s]	342 ± 9.8	318 ± 11.3	385 ± 12.2
667.0	Toxic	147 ± 55.7[s]			
1000.0			486 ± 14.9	773 ± 20.3	841 ± 12.0[s]
2000.0			356 ± 5.0[s]	427 ± 29.6[s]	268 ± 22.2[s]
Trial Summary	Positive	Positive	Weakly Positive	Positive	Positive
Positive Control[4]					915 ± 19.3
Positive Control[5]			788 ± 30.9	915 ± 50.9	
Positive Control[6]	91 ± 2.9	383 ± 29.2			

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:10:43**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	111 ± 8.7
10.0	
33.0	122 ± 9.8
100.0	167 ± 4.2
333.0	385 ± 7.9
667.0	
1000.0	1032 ± 52.3
2000.0	114 ± 19.5[s]
Trial Summary	Positive
Positive Control[4]	674 ± 51.1
Positive Control[5]	
Positive Control[6]	

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:10:43**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 0.9	27 ± 2.7	15 ± 0.9	17 ± 3.5	17 ± 1.2
10.0	21 ± 4.0	22 ± 1.7			
33.0	38 ± 1.9	33 ± 3.1	20 ± 2.0	22 ± 0.9	19 ± 1.2
100.0	71 ± 1.7	62 ± 3.3	32 ± 0.6	42 ± 2.4	42 ± 4.0
333.0	331 ± 12.2	238 ± 5.3	132 ± 5.9	129 ± 6.2	109 ± 2.9
667.0	479 ± 16.4[s]	336 ± 7.0[s]			
1000.0			287 ± 9.9	414 ± 14.7	213 ± 2.4
2000.0			221 ± 22.0[s]	331 ± 8.5	191 ± 4.6[s]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[7]					165 ± 15.2
Positive Control[2]			127 ± 12.1	144 ± 12.9	
Positive Control[8]	110 ± 4.6	140 ± 6.1			

Experiment Number: **573751**

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-chloro-4-nitrophenol hydrochloride**

CAS Number: **62625-14-3**

Date Report Requested: **09/14/2018**

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	22 ± 5.0
10.0	
33.0	27 ± 4.3
100.0	64 ± 14.4
333.0	199 ± 18.9
667.0	
1000.0	348 ± 19.1
2000.0	229 ± 20.7[s]
Trial Summary	Positive
Positive Control[7]	202 ± 6.6
Positive Control[2]	
Positive Control[8]	

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: 2.0 ug/Plate 2-Aminoanthracene
6: 4.0 ug/Plate 9-Aminoacridine
7: 0.2 ug/Plate 2-Aminoanthracene
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **