

Experiment Number: 154847

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

**G06: Ames Summary Data**

Test Compound: **2,3,4,6-Tetrachlorophenol**

CAS Number: **58-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **20:39:42**

**NTP Study Number:**

154847

**Study Result:**

Negative

Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,3,4,6-Tetrachlorophenol  
CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	138 ± 7.3	106 ± 5.0	149 ± 8.1	120 ± 7.5	153 ± 5.8
1.0	123 ± 15.5	111 ± 12.5	129 ± 6.4	101 ± 2.4	135 ± 9.6
3.0	128 ± 4.2	103 ± 5.8	137 ± 17.9	117 ± 13.1	121 ± 13.2
10.0	114 ± 1.0	106 ± 5.4	129 ± 9.5	128 ± 8.5	133 ± 5.8
33.0	99 ± 14.7	91 ± 7.4	125 ± 13.6	91 ± 9.1	121 ± 17.5
100.0	20 ± 20.0 <sup>s</sup>	35 ± 3.8 <sup>s</sup>	110 ± 18.2	87 ± 5.8	103 ± 6.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					901 ± 23.4
Positive Control <sup>3</sup>	469 ± 3.5	299 ± 19.1			
Positive Control <sup>4</sup>			579 ± 33.4	278 ± 3.2	

Experiment Number: 154847

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

**G06: Ames Summary Data**

Test Compound: **2,3,4,6-Tetrachlorophenol**

CAS Number: **58-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **20:39:42**

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	103 ± 3.8
1.0	116 ± 14.5
3.0	133 ± 9.1
10.0	129 ± 7.3
33.0	126 ± 14.0
100.0	134 ± 14.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	625 ± 19.0

Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	23 ± 1.8	26 ± 2.1	13 ± 1.7	25 ± 3.2	7 ± 1.5
1.0	18 ± 2.8	21 ± 1.7	9 ± 0.6	19 ± 2.6	12 ± 1.2
3.0	14 ± 1.5	20 ± 2.1	11 ± 2.2	18 ± 1.2	10 ± 2.0
10.0	15 ± 2.7	16 ± 2.7	9 ± 1.2	16 ± 1.5	11 ± 2.3
33.0	13 ± 2.7	12 ± 1.0	6 ± 3.3	14 ± 2.1	10 ± 0.9
100.0	6 ± 1.9	7 ± 0.7	6 ± 1.5	10 ± 3.0	6 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					283 ± 14.8
Positive Control <sup>3</sup>	511 ± 9.3	262 ± 28.9			
Positive Control <sup>5</sup>			192 ± 3.3	91 ± 4.8	

Experiment Number: 154847

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

**G06: Ames Summary Data**

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 3.0
1.0	23 ± 4.7
3.0	18 ± 0.3
10.0	20 ± 2.0
33.0	16 ± 2.7
100.0	12 ± 2.2
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	456 ± 19.1

Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	169 ± 4.4	138 ± 13.4	163 ± 1.7	165 ± 10.3	167 ± 3.5
1.0	153 ± 8.7	163 ± 3.7	166 ± 13.0	159 ± 9.2	152 ± 3.1
3.0	158 ± 11.7	156 ± 25.5	166 ± 12.2	191 ± 4.1	169 ± 11.8
10.0	162 ± 6.9	151 ± 8.2	143 ± 5.5	160 ± 12.9	141 ± 20.2
33.0	165 ± 6.0	123 ± 17.6	74 ± 7.5	145 ± 22.5	88 ± 27.4
100.0	15 ± 1.5 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	0 ± 0.3 <sup>s</sup>	27 ± 8.7	15 ± 7.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					928 ± 24.6
Positive Control <sup>4</sup>			642 ± 60.6		
Positive Control <sup>5</sup>				451 ± 8.4	
Positive Control <sup>6</sup>	1033 ± 71.9	499 ± 20.6			

Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

---

**Strain: TA97**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	176 ± 14.7
1.0	175 ± 13.3
3.0	197 ± 4.3
10.0	190 ± 8.7
33.0	184 ± 18.1
100.0	69 ± 18.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	461 ± 30.1
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 1.0	19 ± 2.6	28 ± 3.0	25 ± 2.2	31 ± 2.4
1.0	18 ± 2.0	16 ± 1.8	29 ± 4.7	26 ± 4.4	30 ± 1.5
3.0	18 ± 1.7	16 ± 0.0	28 ± 4.0	21 ± 1.8	35 ± 2.7
10.0	21 ± 1.9	17 ± 1.0	29 ± 2.3	20 ± 2.3	30 ± 0.7
33.0	17 ± 4.2	15 ± 2.6	23 ± 1.5	24 ± 0.0	30 ± 4.7
100.0	11 ± 2.9	11 ± 0.6	24 ± 4.0	21 ± 2.8	27 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					606 ± 11.9
Positive Control <sup>4</sup>			398 ± 17.1	147 ± 6.8	
Positive Control <sup>7</sup>	704 ± 28.4	544 ± 30.1			



Experiment Number: 154847

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,3,4,6-Tetrachlorophenol

CAS Number: 58-90-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:39:42

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	26 ± 3.0
1.0	25 ± 0.6
3.0	25 ± 2.6
10.0	23 ± 3.7
33.0	26 ± 2.9
100.0	31 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	453 ± 10.5
Positive Control <sup>7</sup>	

Experiment Number: 154847

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

**G06: Ames Summary Data**

Test Compound: **2,3,4,6-Tetrachlorophenol**

CAS Number: **58-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **20:39:42**

**LEGEND**

---

Values given as Mean or Mean  $\pm$  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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***