Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

NTP Study Number: 462761

Study Result: Negative

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	79 ± 6.1	86 ± 5.0	81 ± 2.1	121 ± 17.4	85 ± 0.0
100.0	75 ± 8.3	77 ± 3.2	96 ± 3.4	91 ± 4.5	108 ± 2.0
333.0	85 ± 2.5	85 ± 3.2	101 ± 3.9	113 ± 2.5	102 ± 9.1
1000.0	67 ± 2.3[p]	72 ± 4.4[p]	92 ± 4.6[p]	114 ± 6.5[p]	82 ± 3.9[p]
3333.0	63 ± 6.0[p]	64 ± 7.2[p]	81 ± 3.7[p]	122 ± 6.3[p]	75 ± 6.6[p]
10000.0	46 ± 2.0[p]	34 ± 3.5[p]	95 ± 5.4[p]	121 ± 3.8[p]	100 ± 10.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			430 ± 2.1	521 ± 23.8	648 ± 15.0
Positive Control[3]	725 ± 26.2	264 ± 14.7			

Experiment Number: **462761**

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CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	97 ± 7.0
100.0	85 ± 8.7
333.0	106 ± 3.7
1000.0	103 ± 5.2[p]
3333.0	103 ± 4.5[p]
10000.0	103 ± 5.1[p]
Trial Summary	Negative
Positive Control[2]	1814 ± 36.1
Positive Control[3]	

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

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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 ± 1.9	7 ± 2.2	8 ± 2.9	6 ± 1.5	15 ± 2.3
100.0	8 ± 2.0	4 ± 0.3	8 ± 0.3	8 ± 0.3	15 ± 2.4
333.0	11 ± 1.5	4 ± 1.7	11 ± 3.8	9 ± 0.6	17 ± 1.5
1000.0	9 ± 2.4[p]	5 ± 0.7	16 ± 2.0[p]	10 ± 0.0	14 ± 0.6[p]
3333.0	9 ± 1.3[p]	4 ± 0.9[p]	13 ± 1.7[p]	3 ± 1.9[p]	12 ± 2.2[p]
10000.0	7 ± 0.5[p]	3 ± 0.9[p]	13 ± 3.2[p]	3 ± 1.8[p]	13 ± 2.7[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			61 ± 8.5	32 ± 5.1	88 ± 8.8
Positive Control[3]	625 ± 40.1	399 ± 18.9			

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.3
100.0	9 ± 1.2
333.0	5 ± 1.8
1000.0	8 ± 1.5
3333.0	3 ± 1.0[p]
10000.0	4 ± 0.7[p]
Trial Summary	Negative
Positive Control[2]	108 ± 2.7
Positive Control[3]	

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.2	8 ± 0.9	15 ± 0.9	7 ± 0.7	13 ± 3.8
100.0	9 ± 1.2	3 ± 0.6	10 ± 1.2	9 ± 0.9	12 ± 2.8
333.0	7 ± 2.7	4 ± 2.0	13 ± 3.6	7 ± 0.3	10 ± 0.7
1000.0	8 ± 3.2[p]	3 ± 0.9[p]	14 ± 2.9[p]	6 ± 0.3[p]	7 ± 2.4[p]
3333.0	5 ± 1.2[p]	2 ± 0.3[p]	9 ± 1.8[p]	5 ± 0.0[p]	8 ± 1.2[p]
10000.0	2 ± 0.6[p]	4 ± 0.6[p]	8 ± 0.6[p]	5 ± 1.2[p]	11 ± 0.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			47 ± 3.5	55 ± 3.6	54 ± 5.2
Positive Control[4]	69 ± 7.4	194 ± 8.8			

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.5
100.0	5 ± 0.7
333.0	4 ± 0.3
1000.0	4 ± 0.7[p]
3333.0	5 ± 0.6[p]
10000.0	7 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	229 ± 2.7
Positive Control[4]	

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 1.5	23 ± 1.7	26 ± 1.0	20 ± 3.5	22 ± 2.9
100.0	17 ± 0.6	16 ± 1.3	26 ± 1.8	22 ± 6.0	22 ± 3.8
333.0	14 ± 1.5	10 ± 1.3	29 ± 4.8	18 ± 2.1	22 ± 3.5
1000.0	14 ± 0.6[p]	13 ± 3.2[p]	21 ± 4.3[p]	17 ± 1.2[p]	22 ± 0.3[p]
3333.0	14 ± 1.2[p]	17 ± 1.5[p]	24 ± 1.5[p]	20 ± 1.5[p]	23 ± 2.2[p]
10000.0	12 ± 0.9[p]	11 ± 1.9[p]	24 ± 4.2[p]	13 ± 3.1[p]	24 ± 3.7[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			399 ± 33.6	321 ± 18.7	473 ± 76.9
Positive Control[5]	139 ± 11.4	158 ± 7.8			

Experiment Number: **462761**

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

G06: Ames Summary Data

Test Compound: **Trixylenyl phosphate mixed isomers**

CAS Number: **25155-23-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:59:41**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	29 ± 3.2
100.0	32 ± 3.0
333.0	28 ± 3.0
1000.0	26 ± 1.2[p]
3333.0	29 ± 0.6[p]
10000.0	15 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	1446 ± 33.5
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
p: Precipitate

** END OF REPORT **