Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

NTP Study Number: 725476

Study Result: Negative

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	108 ± 4.6	87 ± 4.9	127 ± 5.6	81 ± 1.7	111 ± 6.1
1.0		91 ± 8.2		107 ± 7.8	
3.3		97 ± 7.2		99 ± 6.8	
10.0	113 ± 8.1	93 ± 1.8	124 ± 5.9	91 ± 4.6	81 ± 5.6
33.3	113 ± 1.3	96 ± 8.7	98 ± 11.2	85 ± 2.4	71 ± 11.6
100.0	94 ± 5.5	94 ± 10.3	88 ± 0.7	61 ± 9.4[s]	24 ± 10.1
333.3	92 ± 5.6		52 ± 2.3		0 ± 0.0[s]
1000.0	91 ± 2.9		61 ± 9.3[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			577 ± 26.1	514 ± 8.0	1720 ± 67.7
Positive Control[3]	461 ± 5.9	253 ± 7.5			

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	109 ± 7.5
1.0	110 ± 1.2
3.3	100 ± 4.3
10.0	98 ± 7.3
33.3	87 ± 7.1
100.0	41 ± 1.9[s]
333.3	
1000.0	
Trial Summary	Negative
Positive Control[2]	1587 ± 36.5
Positive Control[3]	

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 1.9	18 ± 3.2	25 ± 4.6	21 ± 2.3	18 ± 0.9
1.0		20 ± 3.8		24 ± 2.5	
3.3		21 ± 2.3		21 ± 3.2	
10.0	25 ± 2.3	19 ± 1.2	17 ± 2.0	22 ± 3.1	18 ± 5.8
33.3	18 ± 3.5	18 ± 1.2	18 ± 0.6	21 ± 6.0	11 ± 2.5
100.0	23 ± 1.7	22 ± 3.5	15 ± 1.0	17 ± 5.8	4 ± 2.0
333.3	21 ± 0.3		16 ± 2.1		0 ± 0.0[s]
1000.0	20 ± 0.6		10 ± 3.5		0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	458 ± 19.8	228 ± 9.6			
Positive Control[4]			392 ± 23.1	194 ± 10.2	421 ± 16.5

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	24 ± 3.6
1.0	22 ± 4.6
3.3	25 ± 2.6
10.0	26 ± 3.1
33.3	20 ± 3.0
100.0	9 ± 3.6
333.3	
1000.0	
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	337 ± 15.9

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 2.1	7 ± 1.2	10 ± 1.8	15 ± 3.5	10 ± 3.5
1.0		7 ± 0.3		14 ± 3.7	
3.3		5 ± 1.3		13 ± 2.0	
10.0	7 ± 1.5	6 ± 1.2	6 ± 1.2	9 ± 1.3	8 ± 1.5
33.3	7 ± 1.2	7 ± 1.2	10 ± 1.9	9 ± 1.0	2 ± 0.7
100.0	7 ± 0.3	6 ± 0.6	4 ± 1.5	2 ± 1.2[s]	0 ± 0.0[s]
333.3	9 ± 1.2		1 ± 0.7[s]		0 ± 0.0[s]
1000.0	6 ± 0.3		2 ± 1.7[s]		0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			221 ± 31.0	98 ± 16.6	510 ± 10.7
Positive Control[5]	431 ± 20.9	193 ± 21.5			

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.7
1.0	17 ± 1.7
3.3	12 ± 1.5
10.0	7 ± 1.2
33.3	4 ± 0.6
100.0	2 ± 1.0[s]
333.3	
1000.0	
Trial Summary	Negative
Positive Control[4]	378 ± 18.5
Positive Control[5]	

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 5.2	33 ± 2.0	40 ± 1.9	38 ± 2.4	37 ± 3.5
1.0		29 ± 1.3		38 ± 5.6	
3.3		27 ± 2.0		28 ± 2.3	
10.0	43 ± 3.2	29 ± 1.2	29 ± 5.8	34 ± 2.1	38 ± 1.2
33.3	39 ± 0.3	24 ± 2.6	49 ± 1.9	28 ± 2.4	23 ± 10.4
100.0	28 ± 5.2	24 ± 2.1	28 ± 6.1	25 ± 2.5	3 ± 1.5
333.3	32 ± 4.5		21 ± 3.2		0 ± 0.0[s]
1000.0	38 ± 3.1		22 ± 5.5		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			511 ± 35.6	266 ± 17.6	1598 ± 76.2
Positive Control[6]	777 ± 23.2	431 ± 0.6			

Experiment Number: **725476**

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

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

Time Report Requested: **19:23:41**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	41 ± 3.8
1.0	44 ± 3.8
3.3	41 ± 0.6
10.0	37 ± 5.2
33.3	28 ± 4.0
100.0	15 ± 1.9[s]
333.3	
1000.0	
Trial Summary	Negative
Positive Control[2]	1047 ± 14.2
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: 95% Ethanol
2: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **