Experiment Number: **G10435**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Oral Gavage**

Species/Strain: **Rat/Crl:CD (SD)**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **o-Anisidine**

CAS Number: **90-04-0**

Date Report Requested: **08/31/2018**

Time Report Requested: **13:21:29**

NTP Study Number:	G10435
Study Duration:	3 day
Male Study Result:	Equivocal

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Test Compound: **o-Anisidine**

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Date Report Requested: **08/31/2018**

Time Report Requested: **13:21:29**

Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 3 h

	Liver			Stomach		
Dose (mg/kg/day)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	0.268 ± 0.066		5	14.606 ± 2.242	
150	5	0.297 ± 0.077	1.0000	5	11.795 ± 1.942	0.6788
300	5	0.382 ± 0.152	1.0000	5	14.067 ± 1.241	0.6595
600	5	0.859 ± 0.227	0.0719	5	16.197 ± 2.758	0.3859
Trend p-Value		0.0218 *			0.1898	
Positive Control[2]	5	15.908 ± 0.783	0.0045 *	5	35.415 ± 1.935	< 0.001 *

LEGEND

CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil
2: 200 mg/kg/day Ethyl Methanesulfonate

** END OF REPORT **