



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH
May 16, 2007

Mr. Ranjit Clarke
Calscience Environmental
7440 Lincoln Way
Garden Grove, CA 92841-1432

Dear Mr. Clark:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, EPA-821-R-02-012*.

Results were as follows:

CLIENT:	Calscience Environmental
SAMPLE I.D.:	Rattlesnake
DATE RECEIVED:	2 May - 07
ABC LAB. NO.:	CSE0507.072

96 HOUR ACUTE FATHEAD MINNOW SURVIVAL BIOASSAY

LC50 =	95 % Survival in 100 % Sample
TU(a) =	0.41

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Larval Fish Growth and Survival Test-96 Hr Survival

Start Date: 5/3/2007 Test ID: CSE0507072 Sample ID: CA0000000
 End Date: 5/7/2007 Lab ID: CAABC Sample Type: EFF1-POTW
 Sample Date: 5/2/2007 Protocol: EPAA 85-EPA Acute Test Species: PP-Pimephales promelas
 Comments: Rattlesnake

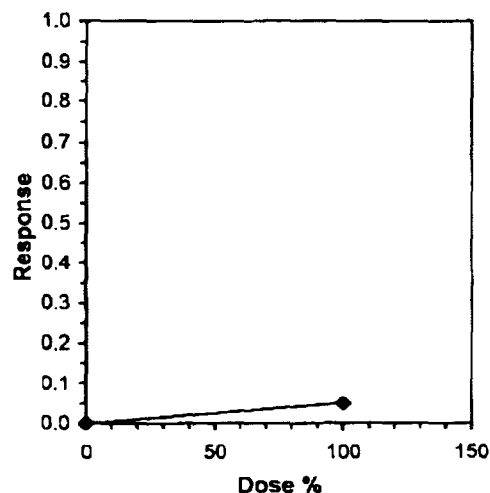
Conc-%	1	2	3	4
N Control	1.0000	1.0000	1.0000	1.0000
100	0.9000	1.0000		

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root				N	t-Stat	1-Tailed Critical	MSD	Isotonic	
			Mean	Min	Max	CV%					Mean	N-Mean
N Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4				1.0000	1.0000
100	0.9500	0.9500	1.3305	1.2490	1.4120	8.661	2	1.633	2.132	0.1064	0.9500	0.9500

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.82716	0.713	0	2.5		
Equality of variance cannot be confirmed						
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	0.04368	0.0448	0.00885	0.00332	0.17781	1, 4
Treatments vs N Control						

Linear Interpolation (200 Resamples)				
Point	%	SD	95% CL(Exp)	Skew

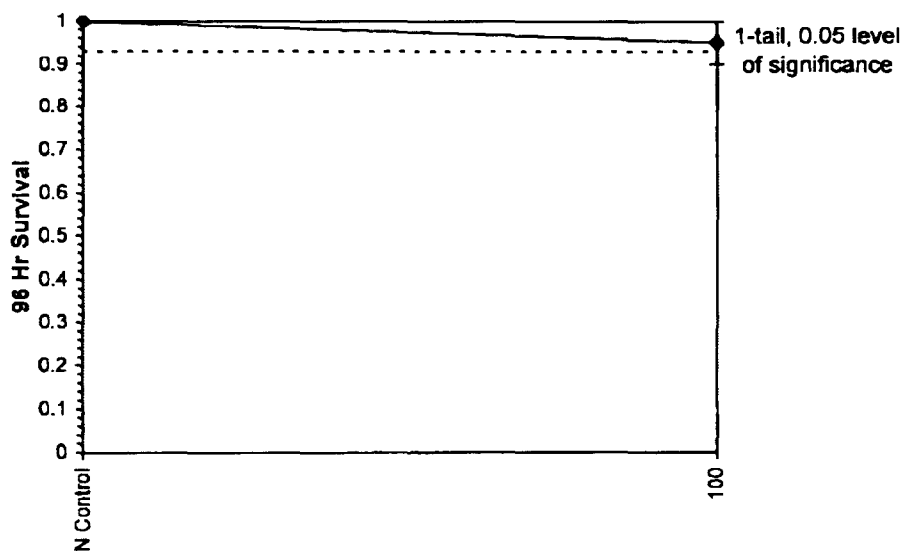
IC05 >100
 IC10 >100
 IC15 >100
 IC20 >100
 IC25 >100
 IC40 >100
 IC50 >100



Larval Fish Growth and Survival Test-96 Hr Survival

Start Date: 5/3/2007	Test ID: CSE0507072	Sample ID: CA0000000
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Sample Date: 5/2/2007	Protocol: EPAA 85-EPA Acute	Test Species: PP-Pimephales promelas
Comments: Rattlesnake		

Dose-Response Plot



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Sample Date: 5/2/2007	Protocol: EPAA 85-EPA Acute	Test Species: PP-Pimephales promelas
Comments: Rattlesnake		

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control 100	Temp C	24.63	24.00	25.90	1.10	4.25	3
		24.20	24.00	24.60	0.35	2.43	3
N Control 100	pH	8.30	8.30	8.30	0.00	0.00	3
		8.17	8.10	8.20	0.06	2.94	3
N Control 100	DO mg/L	7.63	7.20	8.20	0.51	9.38	3
		6.90	6.10	7.50	0.72	12.31	3
N Control 100	Hardness mg/L	92.33	90.00	94.00	2.08	1.56	3
		250.00	250.00	250.00	0.00	0.00	3
N Control 100	Cond-umhos	326.67	315.00	340.00	12.58	1.09	3
		873.33	868.00	877.00	4.73	0.25	3
N Control 100	Alkalinity mg/L	63.67	61.00	65.00	2.31	2.39	3
		218.00	218.00	218.00	0.00	0.00	3