



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH  
May 16, 2007

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

Dear Mr. Clark:

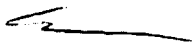
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, EPA-821-R-02-012*. Results were as follows:

CLIENT:	Calscience Environmental
SAMPLE I.D.:	MC @ Cota
DATE RECEIVED:	2 May - 07
ABC LAB. NO.:	CSE0507.076

**96 HOUR ACUTE FATHEAD MINNOW SURVIVAL BIOASSAY**

LC50	=	100 % Survival in 100 % Sample
TU(a)	=	0.00

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

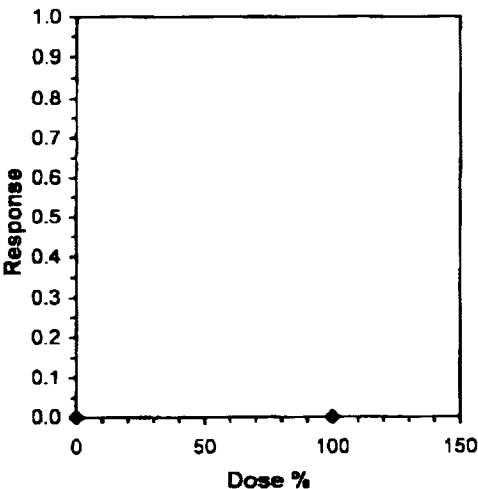
29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Larval Fish Growth and Survival Test-96 Hr Survival					
Start Date:	5/3/2007	Test ID:	CSE0507076	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:	MC @ Cota				
Conc-%	1	2	3	4	
N Control	1.0000	1.0000	1.0000	1.0000	
100	1.0000	1.0000			

Transform: Arcsin Square Root								Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	1.0000	1.0000
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.713		
Equality of variance cannot be confirmed				

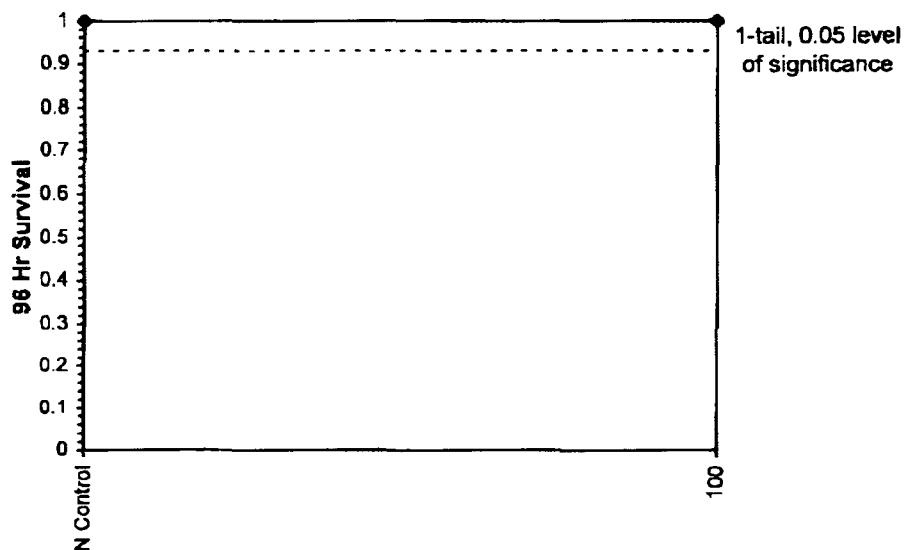
Linear Interpolation (200 Resamples)				
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



# Larval Fish Growth and Survival Test-96 Hr Survival

Start Date: 5/3/2007	Test ID: CSE0507076	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: MC @ Cota		

## Dose-Response Plot



# Larval Fish Growth and Survival Test-96 Hr Survival

Start Date: 5/3/2007 Test ID: CSE0507076 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: MC @ Cota

## Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	24.63	24.00	25.90	1.10	4.25	3
100		24.43	24.00	25.30	0.75	3.55	3
N Control	pH	8.30	8.30	8.30	0.00	0.00	3
100		8.17	8.00	8.30	0.15	4.79	3
N Control	DO mg/L	7.63	7.20	8.20	0.51	9.38	3
100		6.87	6.20	7.20	0.58	11.07	3
N Control	Hardness mg/L	92.33	90.00	94.00	2.08	1.56	3
100		250.00	250.00	250.00	0.00	0.00	3
N Control	Cond-umhos	326.67	315.00	340.00	12.58	1.09	3
100		1283.33	1277.00	1288.00	5.69	0.19	3
N Control	Alkalinity mg/L	63.67	61.00	65.00	2.31	2.39	3
100		250.00	250.00	250.00	0.00	0.00	3