



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

October 1, 2007

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

Dear Mr. Clarke:

We are pleased to present the enclosed revised 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*.

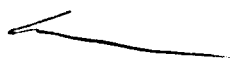
Results were as follows:

CLIENT:	City of Santa Barbara-Creeks Division
SAMPLE I.D.:	3-MC2800 (First Flush 2007)
DATE RECEIVED:	22 Sept - 07
ABC LAB. NO.:	CSE0907.216

**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

### Larval Fish Growth and Survival Test-96 Hr Survival

Start Date: 9/22/2007	Test ID: CSE0907216	Sample ID: CA0000000
End Date: 9/26/2007	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 9/21/2007	Protocol: EPAA 85-EPA Acute	Test Species: PP-Pimephales promelas
Comments: 3-MC2800		

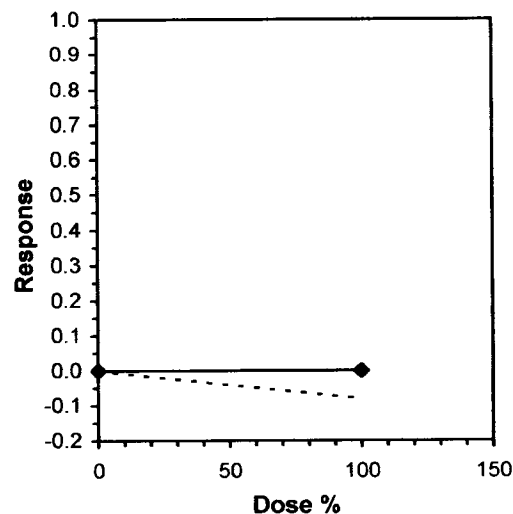
Conc-%	1	2	3	4
N Control	0.9000	1.0000	0.8000	1.0000
100	1.0000	1.0000		

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					t-Stat	1-Tailed Critical	MSD	Isotonic	
			Mean	Min	Max	CV%	N				Mean	N-Mean
N Control	0.9250	1.0000	1.2951	1.1071	1.4120	11.347	4				0.9625	1.0000
100	1.0000	1.0811	1.4120	1.4120	1.4120	0.000	2	-1.061	2.132	0.2350	0.9625	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.9024	0.713	-0.7185	0.52749		
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	0.16479	0.17798	0.01824	0.0162	0.34842	1, 4
Treatments vs N Control						

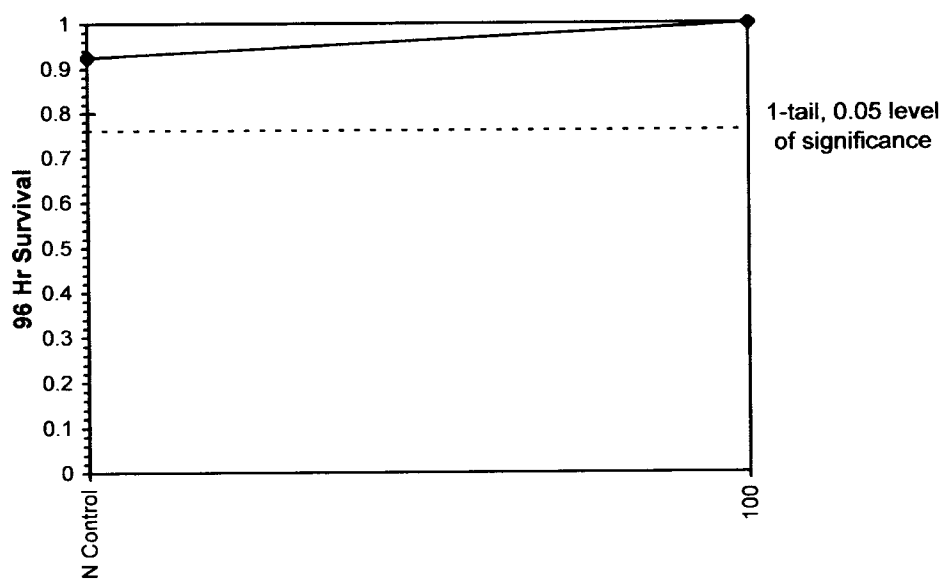
#### Linear Interpolation (200 Resamples)

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**

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Sample Date: 9/21/2007	Protocol: EPAA 85-EPA Acute	Test Species: PP-Pimephales promelas
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**Dose-Response Plot**

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**Auxiliary Data Summary**


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Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	24.00	24.00	24.00	0.00	0.00	3
100		24.00	24.00	24.00	0.00	0.00	3
N Control	pH	8.20	8.00	8.30	0.17	5.08	3
100		8.17	8.10	8.20	0.06	2.94	3
N Control	DO mg/L	7.07	6.40	7.50	0.59	10.83	3
100		6.47	5.20	8.70	1.94	21.54	3
N Control	Hardness mg/L	93.00	90.00	95.00	2.65	1.75	3
100		250.00	250.00	250.00	0.00	0.00	3
N Control	Cond-umhos	356.67	341.00	370.00	14.64	1.07	3
100		1469.67	1175.00	1617.00	255.19	1.09	3
N Control	Alkalinity mg/L	65.00	61.00	69.00	4.00	3.08	3
100		250.00	250.00	250.00	0.00	0.00	3

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