



www.basiclab.com

2218 Railroad Avenue voice 530.243.7234  
 Redding, California 96001 fax 530.243.7494

3860 Morrow Lane, Suite F voice 530.894.8966  
 Chico, California 95928 fax 530.894.5143

**Report To:** RTC ENVIRONMENTAL SOLUTIONS, INC.  
 100 WALNUT AVE.  
 OROVILLE, CA 95966

**Attention:** RTC ENVIRONMENTAL SOLUTIONS, INC.

**Project Name:** LAKEHEAD BRIDGE  
**Sample Type:** ZERO-CON TREATED WATER

**Lab Number:** 1050657-01  
**Date:** 05/25/11  
**Phone:** 589-2007  
**Date Sampled:** 05/12/11  
**Date Received:** 05/13/11  
**P.O. #:**  
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**Sample Description:** S. SIDE LAKEHEAD BRIDGE

**Static-Renewal Acute Toxicity 96 Hour Bioassay - RESULTS**

**Results:** 100 % Survival - Test 100 % Survival - Control

**Static-Renewal Acute Toxicity 96 Hour Bioassay - Chemical & Physical Data**

Method: EPA-821-R-02-012 5th Edition

**Date/Time Test Started:** 05/13/11 1500 **Species:** *Oncorhynchus mykiss*  
**Acclimatization:** 5 days at 12 degrees Celcius **Batch #:** M983 **Minimum test solution volume:** 3.5 Liters

TEST DATA	Initial		24 Hour		48 Hour		72 Hour		96 Hour	
Temp	12.0	12.0	11.7	11.7	11.9	11.7	12.1	12.1	12.0	12.0
pH	8.20	8.21	8.25	8.30	8.41	8.41	8.44	8.43	8.36	8.34
DO (mg/l)	13.5	13.4	9.9	9.9	11.3	11.2	9.3	9.1	9.6	9.6
Alkalinity (mg/l)	275									
Hardness (mg/l)	148									
Specific Cond. (umhos/cm)	1020									
Total Chlorine (mg/l)	ND									

CONTROL DATA	Initial		24 Hour		48 Hour		72 Hour		96 Hour	
Temp	12.7	12.7	12.0	11.7	12.2	11.6	12.1	12.1	12.3	12.0
pH	8.21	8.23	7.64	7.67	7.62	7.63	7.68	7.68	7.66	7.65
DO (mg/l)	12.6	12.7	9.8	9.8	9.1	9.1	9.0	9.1	9.6	9.7
Alkalinity (mg/l)	52									
Hardness (mg/l)	46									
Specific Cond. (umhos/cm)	117									
Total Chlorine (mg/l)	ND									

SURVIVAL DATA	Initial		24 Hour		48 Hour		72 Hour		96 Hour	
Test	10	10	10	10	10	10	10	10	10	10
Control	10	10	10	10	10	10	10	10	10	10

Ammonia @N 1.22 Method EPA 350.1, Reporting Limit: 0.05, Units: mg/l  
 Reference Toxicant: 1.33 =LC50  
 Confidence Limits 1.18-1.50 M976

The information shown on this sheet is test data only and no analysis or interpretation is intended or implied  
 nd-Not detected.

*Kathy Jones*  
 Reported By