

# CETIS Test Evaluation Report

Report Date: 03 Jun-24 17:00 ( 1 of 1)  
Test Code/ID: CDUD1605 / 19-5744-4707

<b>Facility:</b> Everett WWTP	<b>Test Name:</b> Fathead Minnow 96-h Acute Survival Test
<b>Sample Site:</b> SCE Outfall 100	<b>Organism:</b> Pimephales promelas (fathead minnow)
<b>Sample Code:</b> CDUD1605	<b>Protocol:</b> EPA/821/R-02-012 (2002)
<b>Sample Date:</b> 24 Jan-24 07:00	<b>Start Date:</b> 24 Jan-24 15:15
<b>Sample Age:</b> 8h (2.7 °C)	<b>End Date:</b> 28 Jan-24 15:00
<b>Project:</b>	<b>Duration:</b> 96h <b>Organism Age:</b> 6d
<b>Permittee:</b> Everett	<b>Laboratory:</b> Rainier Environmental Laboratory
<b>Address:</b>	<b>Address:</b> 5013 Pacific Highway E. Suite 20 Fife, WA 98424
<b>Contact:</b>	<b>Contact:</b> Eric Tollefson, Laboratory Manager
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Acute Toxicity Evaluation						
Analysis ID	Endpoint	Criteria	Conc-%	IWC	Decision	Method
09-1238-8236	96-hour Survival	NOEL/LOEL	100/>100	15.6	Passes IWC	Steel Many-One Rank Sum Test

**Test Review Comments**  
This toxicity test is acceptable according to test review criteria. There were no significant deficiencies in sample handling, test performance, test organism response, or statistical analysis.

The sample tested was nontoxic to this test organism.

Test Reviewer			Signature	Date
<b>Reviewer:</b>	Chris Dudenhoeffer, WET Coordinator			
<b>Phone:</b>	360-407-6445			
<b>Email:</b>	cdud461@ecy.wa.gov			

96-hour Survival Summary											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	4	0.9750	0.8954	1.0550	0.9000	1.0000	0.0250	0.0500	5.13%	0.00%
0.64		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-2.56%
3		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-2.56%
10		4	0.9750	0.8954	1.0550	0.9000	1.0000	0.0250	0.0500	5.13%	0.00%
30		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-2.56%
100		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-2.56%

96-hour Survival Detail						MD5: 43F4E938532970E85142C92E5EA2D691					
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4						
0	D	1.0000	1.0000	1.0000	0.9000						
0.64		1.0000	1.0000	1.0000	1.0000						
3		1.0000	1.0000	1.0000	1.0000						
10		1.0000	1.0000	0.9000	1.0000						
30		1.0000	1.0000	1.0000	1.0000						
100		1.0000	1.0000	1.0000	1.0000						

96-hour Survival Binomials					
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	10/10	10/10	10/10	9/10
0.64		10/10	10/10	10/10	10/10
3		10/10	10/10	10/10	10/10
10		10/10	10/10	9/10	10/10
30		10/10	10/10	10/10	10/10
100		10/10	10/10	10/10	10/10