

# CETIS Test Evaluation Report

Report Date: 09 Nov-23 16:29 ( 1 of 1)  
Test Code/ID: CDUD1473 / 02-6273-4605

<b>Facility:</b> Paramount Petroleum	<b>Test Name:</b> Fish Acute Survival Test
<b>Sample Site:</b> Outfall #1 - Grab	<b>Organism:</b> Atherinops affinis (topsmelt)
<b>Sample Code:</b> CDUD1472	<b>Protocol:</b> EPA/821/R-02-012 (2002)
<b>Sample Date:</b> 21 Aug-23	<b>Start Date:</b> 21 Aug-23 16:35
<b>Sample Age:</b> 17h (2.1 °C)	<b>End Date:</b> 25 Aug-23 15:43
<b>Project:</b> Alon Asphalt Company	<b>Duration:</b> 95h <b>Organism Age:</b> 11d
<b>Permittee:</b> Alon Asphalt	<b>Laboratory:</b> EcoAnalysts
<b>Address:</b>	<b>Address:</b> 4770 NE View Dr. Port Gamble Port Gamble, WA 98364
<b>Contact:</b>	<b>Contact:</b> Brian Hester, Laboratory Director
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## Acute Toxicity Evaluation

Analysis ID	Endpoint	Criteria	Conc-%	IWC	Decision	Method
18-6187-0693	96-hour Survival	NOEL/LOEL	100/>100	11	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

**Reviewer:** Chris Dudenhoeffer, WET Coordinator  
**Phone:** 360-407-6445  
**Email:** cdud461@ecy.wa.gov

Signature

Date

## 96-hour Survival Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	4	0.9500	0.7909	1.1090	0.8000	1.0000	0.0500	0.1000	10.53%	0.00%
0	SC	4	0.9250	0.8454	1.0050	0.9000	1.0000	0.0250	0.0500	5.41%	2.63%
3.4		4	0.9500	0.8581	1.0420	0.9000	1.0000	0.0289	0.0577	6.08%	0.00%
11		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-5.26%
25		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-5.26%
50		4	0.9500	0.7909	1.1090	0.8000	1.0000	0.0500	0.1000	10.53%	0.00%
100		4	0.9750	0.8954	1.0550	0.9000	1.0000	0.0250	0.0500	5.13%	-2.63%

## 96-hour Survival Detail

MD5: 52F369C888E8EDF81DE82B7364F4200D

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	1.0000	1.0000	1.0000	0.8000
0	SC	0.9000	1.0000	0.9000	0.9000
3.4		0.9000	0.9000	1.0000	1.0000
11		1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	0.8000
100		1.0000	1.0000	0.9000	1.0000

## 96-hour Survival Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	10/10	10/10	10/10	8/10
0	SC	9/10	10/10	9/10	9/10
3.4		9/10	9/10	10/10	10/10
11		10/10	10/10	10/10	10/10
25		10/10	10/10	10/10	10/10
50		10/10	10/10	10/10	8/10
100		10/10	10/10	9/10	10/10