Raw Data		Arcsine SqRt Transformation	
Control	**Effluent**	**Control**	**Effluent**

Test Species?	Choose from menu
Chronic or Acute?	Choose from menu
Endpoint?	Choose from menu
Percent Data?	
b=	
α=	

This tool was created for several of the EPA 1995 WET test methods for the West Coast marine species (USEPA 1995) and the 2002 EPA WET test methods (USEPA 2002a, 2002b) for other species.

For questions, please contact:
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Chronic methods	**Acute *P. promelas* method**
b=0.75 α=0.2 for *Ceriodaphnia dubia* α=0.25 for *Pimephales promelas* α=0.15 for *Americamysis bahia* α=0.05 for west coast methods	b=0.8 α=0.1

Instructions: Fill in the red "Raw Data" cells with your data and choose the appropriate answers from the red "Choose from menu" cells. All grey cells will fill-in automatically if needed. Blue cells are merely for informational purposes.

Note: The *P. promelas* acute test requires 4 replicates.

For acute methods, this tool only analyzes the *P. promelas* method and not other WET test methods.

Statistic
Mean
Variance
n

Calculated t-value=
v=
Table t-value=

Conduct WET Test

↓

ne square root transformation for percent data

↓

culate t value using TST Welch's test

↓

Calculated t-value > table t-value?

↓	↓
YES	NO
"PASS"	"FAIL"
C is NOT Toxic	IWC is Toxic

Control	Effluent