



## Saxitoxin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33756	Lost Bridge West SRA	7/30/2018	7/26/2018	< 0.060
AB33757	Potato Creek SP	7/30/2018	7/26/2018	< 0.060
AB33758	Chain O'Lakes SP	7/30/2018	7/26/2018	0.120
AB33759	Potato Creek (Field Duplicate)	7/30/2018	7/26/2018	< 0.060
AB33760	Field Blank	7/30/2018	7/26/2018	< 0.060
AB33761	Dog Park Lake	7/30/2018	7/26/2018	< 0.060
AB33756LD	Lost Bridge West (Lab Duplicate)	7/30/2018	7/26/2018	< 0.060
20180731LB	Lab Blank	7/31/2018	7/26/2018	< 0.060



# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/1/2018 9:33:35 AM						
Std1	Saxitoxin (PSP) ELISA	1.287 Abs	< 0.000 ng/mL		0.000	A01
Std1	Saxitoxin (PSP) ELISA	1.207 Abs	0.005 ng/mL		0.000	B01
Std2	Saxitoxin (PSP) ELISA	1.051 Abs	0.022 ng/mL		0.020	C01
Std2	Saxitoxin (PSP) ELISA	1.079 Abs	0.018 ng/mL		0.020	D01
Std3	Saxitoxin (PSP) ELISA	0.822 Abs	0.053 ng/mL		0.050	E01
Std3	Saxitoxin (PSP) ELISA	0.865 Abs	0.046 ng/mL		0.050	F01
Std4	Saxitoxin (PSP) ELISA	0.609 Abs	0.108 ng/mL		0.100	G01
Std4	Saxitoxin (PSP) ELISA	0.645 Abs	0.096 ng/mL		0.100	H01
Std5	Saxitoxin (PSP) ELISA	0.461 Abs	0.196 ng/mL		0.200	A02
Std5	Saxitoxin (PSP) ELISA	0.464 Abs	0.193 ng/mL		0.200	B02
Std6	Saxitoxin (PSP) ELISA	0.349 Abs	0.388 ng/mL		0.400	C02
Std6	Saxitoxin (PSP) ELISA	0.336 Abs	> 0.400 ng/mL		0.400	D02
Normal Control	Saxitoxin (PSP) ELISA	0.723 Abs	0.074 ng/mL			E02
Normal Control	Saxitoxin (PSP) ELISA	0.747 Abs	0.068 ng/mL			F02
AB33756	Saxitoxin (PSP) ELISA	0.857 Abs	0.052 ng/mL		0.000 - 0.400	G02
AB33756	Saxitoxin (PSP) ELISA	0.855 Abs [0.8560] {0.2 CV}	0.053 ng/mL [0.053] {1.3 CV}		0.000 - 0.400	H02
AB33757	Saxitoxin (PSP) ELISA	0.855 Abs	0.053 ng/mL		0.000 - 0.400	A03
AB33757	Saxitoxin (PSP) ELISA	0.879 Abs [0.8670] {2.0 CV}	0.048 ng/mL [0.051] {7.0 CV}		0.000 - 0.400	B03
AB33758	Saxitoxin (PSP) ELISA	0.604 Abs	0.121 ng/mL		0.000 - 0.400	C03
AB33758	Saxitoxin (PSP) ELISA	0.613 Abs [0.6085] {1.0 CV}	0.118 ng/mL [0.120] {1.8 CV}		0.000 - 0.400	D03
AB33759	Saxitoxin (PSP) ELISA	0.921 Abs	0.042 ng/mL		0.000 - 0.400	E03
AB33759	Saxitoxin (PSP) ELISA	0.862 Abs [0.8915] {4.7 CV}	0.052 ng/mL [0.046] {15.0 CV}		0.000 - 0.400	F03
AB33760	Saxitoxin (PSP) ELISA	1.281 Abs	< 0.000 ng/mL	Out(LR)	0.000 - 0.400	G03
AB33760	Saxitoxin (PSP) ELISA	1.362 Abs [1.3215] {4.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.000 - 0.400	H03
AB33761	Saxitoxin (PSP) ELISA	1.114 Abs	0.016 ng/mL		0.000 - 0.400	A04
AB33761	Saxitoxin (PSP) ELISA	1.221 Abs [1.1675] {6.5 CV}	0.004 ng/mL [0.010] {84.9 CV}		0.000 - 0.400	B04
AB33756LD	Saxitoxin (PSP) ELISA	0.851 Abs	0.053 ng/mL		0.000 - 0.400	C04
AB33756LD	Saxitoxin (PSP) ELISA	0.859 Abs [0.8550] {0.7 CV}	0.052 ng/mL [0.053] {1.3 CV}		0.000 - 0.400	D04
20180731LB	Saxitoxin (PSP) ELISA	1.306 Abs	< 0.000 ng/mL	Out(LR)	0.000 - 0.400	E04
20180731LB	Saxitoxin (PSP) ELISA	1.309 Abs [1.3075] {0.2 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.000 - 0.400	F04

The data in this report is preliminary without a quality control report. This data is not warranted for accuracy or other purposes.

Laboratory Analyst Signature

8/1/2018

Date



# Assay Calibration Report

## Assay Information

Assay Name: Saxitoxin (PSP) ELISA  
Assay Mode: 4-Parameter Logistic Weight by:None  
Normal: 0.000 - 0.400  
Linear: 0.000 - 0.400

Units: ng/mL  
# of decimals: 3  
Assay Description: 1X

Controls:  
Normal Control  
Standards:  
Std1, Concentration = 0.000, Minimum number to use: 2  
Std2, Concentration = 0.020, Minimum number to use: 2  
Std3, Concentration = 0.050, Minimum number to use: 2  
Std4, Concentration = 0.100, Minimum number to use: 2  
Std5, Concentration = 0.200, Minimum number to use: 2  
Std6, Concentration = 0.400, Minimum number to use: 2  
Curve valid interval: 7 days 0 hours

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/1/2018 9:33:35 AM			
Std1	1.287 Abs	< 0.000 ng/mL	A01
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Std6	0.336 Abs	> 0.400 ng/mL	D02
8/1/2018 9:33:35 AM			
Normal Control	0.747 Abs	0.068 ng/mL	F02
Normal Control	0.723 Abs	0.074 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.247	0.057	4.54				
Std2	1.065	0.020	1.86	0.020	0.003	14.14	0.00
Std3	0.844	0.030	3.60	0.049	0.005	10.00	-2.00
Std4	0.627	0.025	4.06	0.102	0.008	8.32	2.00
Std5	0.462	0.002	0.46	0.194	0.002	1.09	-3.00
Std6	0.343	0.009	2.68				-100.00
Normal Control	0.735	0.017	2.31	0.071	0.004	5.98	

