



## Saxitoxin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33720	Pokagon SP	7/16/2018	7/18/2018	< 0.060
AB33721	Potawatomi Inn's Beach	7/16/2018	7/18/2018	< 0.060
AB33722	Chain O'Lakes SP	7/16/2018	7/18/2018	0.131
AB33723	Kunkel Beach @ Quabache SP	7/16/2018	7/18/2018	0.135
AB33724	Potawatomi Inn (Field Duplicate)	7/16/2018	7/18/2018	< 0.060
AB33725	Field Blank	7/16/2018	7/18/2018	< 0.060
AB33726	Lost Bridge West SRA	7/16/2018	7/18/2018	0.118
AB33727	Mississinewa Lake Miami SRA	7/16/2018	7/18/2018	< 0.060
AB33727LD	Mississinewa (Lab Duplicate)	7/16/2018	7/18/2018	< 0.060
AB33728	Potato Creek SP	7/16/2018	7/18/2018	0.065
AB33730	Field Blank	7/16/2018	7/18/2018	< 0.060
AB33692	Dog Park Lake	7/16/2018	7/18/2018	< 0.060
20180717LB	Lab Blank	7/17/2018	7/18/2018	< 0.060



## Test Report

### Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/18/2018 1:25:36 PM						
Std1	Saxitoxin (PSP) ELISA	1.200 Abs	0.001 ng/mL		0.000	A01
Std1	Saxitoxin (PSP) ELISA	1.362 Abs	< 0.000 ng/mL		0.000	B01
Std2	Saxitoxin (PSP) ELISA	1.023 Abs	0.011 ng/mL		0.020	C01
Std2	Saxitoxin (PSP) ELISA	0.851 Abs	0.033 ng/mL		0.020	D01
Std3	Saxitoxin (PSP) ELISA	0.719 Abs	0.066 ng/mL		0.050	E01
Std3	Saxitoxin (PSP) ELISA	0.828 Abs	0.038 ng/mL		0.050	F01
Std4	Saxitoxin (PSP) ELISA	0.654 Abs	0.090 ng/mL		0.100	G01
Std4	Saxitoxin (PSP) ELISA	0.605 Abs	0.115 ng/mL		0.100	H01
Std5	Saxitoxin (PSP) ELISA	0.468 Abs	0.224 ng/mL		0.200	A02
Std5	Saxitoxin (PSP) ELISA	0.523 Abs	0.170 ng/mL		0.200	B02
Std6	Saxitoxin (PSP) ELISA	0.362 Abs	0.390 ng/mL		0.400	C02
Std6	Saxitoxin (PSP) ELISA	0.351 Abs	> 0.400 ng/mL		0.400	D02
Normal Control	Saxitoxin (PSP) ELISA	0.751 Abs	0.060 ng/mL			E02
Normal Control	Saxitoxin (PSP) ELISA	0.630 Abs	0.098 ng/mL			F02
AB33720	Saxitoxin (PSP) ELISA	0.987 Abs	0.024 ng/mL		0.000 - 0.400	G02
AB33720	Saxitoxin (PSP) ELISA	0.890 Abs [0.9385] {7.3 C	0.037 ng/mL [0.031] {30.1 CV}		0.000 - 0.400	H02
AB33721	Saxitoxin (PSP) ELISA	0.743 Abs	0.068 ng/mL		0.000 - 0.400	A03
AB33721	Saxitoxin (PSP) ELISA	0.970 Abs [0.8565] {18.7	0.026 ng/mL [0.044] {63.2 CV}		0.000 - 0.400	B03
AB33722	Saxitoxin (PSP) ELISA	0.540 Abs	0.160 ng/mL		0.000 - 0.400	C03
AB33722	Saxitoxin (PSP) ELISA	0.629 Abs [0.5845] {10.8	0.108 ng/mL [0.131] {27.4 CV}		0.000 - 0.400	D03
AB33723	Saxitoxin (PSP) ELISA	0.516 Abs	0.179 ng/mL		0.000 - 0.400	E03
AB33723	Saxitoxin (PSP) ELISA	0.638 Abs [0.5770] {15.0	0.104 ng/mL [0.135] {37.5 CV}		0.000 - 0.400	F03
AB33724	Saxitoxin (PSP) ELISA	1.087 Abs	0.014 ng/mL		0.000 - 0.400	G03
AB33724	Saxitoxin (PSP) ELISA	0.845 Abs [0.9660] {17.7	0.045 ng/mL [0.027] {74.3 CV}		0.000 - 0.400	H03
AB33725	Saxitoxin (PSP) ELISA	1.283 Abs	0.000 ng/mL		0.000 - 0.400	A04
AB33725	Saxitoxin (PSP) ELISA	1.260 Abs [1.2715] {1.3 C	0.001 ng/mL [0.001] {141.4 CV}		0.000 - 0.400	B04
AB33726	Saxitoxin (PSP) ELISA	0.627 Abs	0.109 ng/mL		0.000 - 0.400	C04
AB33726	Saxitoxin (PSP) ELISA	0.589 Abs [0.6080] {4.4 C	0.128 ng/mL [0.118] {11.3 CV}		0.000 - 0.400	D04
AB33727	Saxitoxin (PSP) ELISA	1.151 Abs	0.009 ng/mL		0.000 - 0.400	E04
AB33727	Saxitoxin (PSP) ELISA	1.098 Abs [1.1245] {3.3 C	0.013 ng/mL [0.011] {25.7 CV}		0.000 - 0.400	F04
AB33727LD	Saxitoxin (PSP) ELISA	1.042 Abs	0.019 ng/mL		0.000 - 0.400	G04
AB33727LD	Saxitoxin (PSP) ELISA	1.116 Abs [1.0790] {4.8 C	0.011 ng/mL [0.014] {37.7 CV}		0.000 - 0.400	H04
AB33728	Saxitoxin (PSP) ELISA	0.723 Abs	0.074 ng/mL		0.000 - 0.400	A05
AB33728	Saxitoxin (PSP) ELISA	0.794 Abs [0.7585] {6.6 C	0.056 ng/mL [0.065] {19.6 CV}		0.000 - 0.400	B05
AB33730	Saxitoxin (PSP) ELISA	1.170 Abs	0.007 ng/mL		0.000 - 0.400	C05
AB33730	Saxitoxin (PSP) ELISA	0.948 Abs [1.0590] {14.8	0.030 ng/mL [0.016] {87.9 CV}		0.000 - 0.400	D05
AB33692	Saxitoxin (PSP) ELISA	0.654 Abs	0.098 ng/mL		0.000 - 0.400	E05
AB33692	Saxitoxin (PSP) ELISA	1.068 Abs [0.8610] {34.0	0.015 ng/mL [0.043] {103.9 CV}		0.000 - 0.400	F05
20180717LB	Saxitoxin (PSP) ELISA	0.874 Abs	0.041 ng/mL		0.000 - 0.400	G05
20180717LB	Saxitoxin (PSP) ELISA	0.820 Abs [0.8470] {4.5 C	0.051 ng/mL [0.045] {15.4 CV}		0.000 - 0.400	H05

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

*David Jordan*

Laboratory Analyst Signature

*7/19/18*

Date



# Assay Calibration Report

## Assay Information

Assay Name: Saxitoxin (PSP) ELISA Units: ng/mL  
 Assay Mode: 4-Parameter Logistic Weight # of decimals: 3  
 Normal: 0.000-0.400 Assay Description:  
 Linear: 0.000 - 0.400

## 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
7/18/2018 1:25:36 PM			
Std1	1.200 Abs	0.005 ng/mL	A01
Std1	1.362 Abs	< 0.000 ng/mL	B01
Std2	1.023 Abs	0.018 ng/mL	C01
Std3	0.719 Abs	0.068 ng/mL	E01
Std3	0.828 Abs	0.044 ng/mL	F01
Std4	0.654 Abs	0.089 ng/mL	G01
Std4	0.605 Abs	0.109 ng/mL	H01
Std5	0.468 Abs	0.208 ng/mL	A02
Std5	0.523 Abs	0.157 ng/mL	B02
Std6	0.362 Abs	> 0.400 ng/mL	C02
Std6	0.351 Abs	> 0.400 ng/mL	D02
7/18/2018 1:25:36 PM			
Normal Control	0.630 Abs	0.098 ng/mL	F02
Normal Control	0.751 Abs	0.060 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.281	0.115	8.94				
Std2	1.023			0.018			-10.00
Std3	0.773	0.077	9.96	0.056	0.017	30.30	12.00
Std4	0.630	0.035	5.50	0.099	0.014	14.28	-1.00
Std5	0.495	0.039	7.85	0.183	0.036	19.76	-8.50
Std6	0.356	0.008	2.18				-100.00
Normal Control	0.691	0.086	12.39	0.079	0.027	34.01	

