



Saxitoxin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33394	Chain O'Lakes State Park	6/25/2018	6/27/2018	0.066
AB33395	Raccoon Lake SRA	6/25/2018	6/27/2018	< 0.060
AB33396	Whitewater Memorial State Park	6/25/2018	6/27/2018	0.138
AB33397	Dog Park Lake	6/25/2018	6/27/2018	< 0.060
AB33392	Chain O'Lakes (Field Duplicate)	6/25/2018	6/27/2018	0.146
AB33393	Field Blank	6/25/2018	6/27/2018	< 0.060
AB33395LD	Raccoon Lake (Lab Duplicate)	6/25/2018	6/27/2018	< 0.060
20180626LB	Lab Blank	6/26/2018	6/27/2018	< 0.060



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/27/2018 11:45:35 AM						
Std1	Saxitoxin (PSP) ELISA	1.014 Abs	0.011 ng/mL		0.000	A01
Std1	Saxitoxin (PSP) ELISA	1.096 Abs	< 0.000 ng/mL		0.000	B01
Std2	Saxitoxin (PSP) ELISA	1.240 Abs	< 0.000 ng/mL		0.020	C01
Std2	Saxitoxin (PSP) ELISA	0.729 Abs	0.071 ng/mL		0.020	D01
Std3	Saxitoxin (PSP) ELISA	0.754 Abs	0.065 ng/mL		0.050	E01
Std3	Saxitoxin (PSP) ELISA	0.839 Abs	0.044 ng/mL		0.050	F01
Std4	Saxitoxin (PSP) ELISA	0.502 Abs	0.181 ng/mL		0.100	G01
Std4	Saxitoxin (PSP) ELISA	0.789 Abs	0.056 ng/mL		0.100	H01
Std5	Saxitoxin (PSP) ELISA	0.496 Abs	0.186 ng/mL		0.200	A02
Std5	Saxitoxin (PSP) ELISA	0.490 Abs	0.192 ng/mL		0.200	B02
Std6	Saxitoxin (PSP) ELISA	0.365 Abs	> 0.400 ng/mL		0.400	C02
Std6	Saxitoxin (PSP) ELISA	0.369 Abs	> 0.400 ng/mL		0.400	D02
Normal Control	Saxitoxin (PSP) ELISA	0.794 Abs	0.074 ng/mL			E02
Normal Control	Saxitoxin (PSP) ELISA	0.839 Abs	0.059 ng/mL			F02
AB33394	Saxitoxin (PSP) ELISA	0.831 Abs	0.068 ng/mL		0.000 - 0.400	G02
AB33394	Saxitoxin (PSP) ELISA	0.839 Abs [0.8350] {0.7 CV}	0.065 ng/mL [0.066] {3.2 CV}		0.000 - 0.400	H02
AB33395	Saxitoxin (PSP) ELISA	1.158 Abs	< 0.000 ng/mL	Out(LR)	0.000 - 0.400	A03
AB33395	Saxitoxin (PSP) ELISA	0.916 Abs [1.0370] {16.5 CV}	0.041 ng/mL [0.011]		0.000 - 0.400	B03
AB33396	Saxitoxin (PSP) ELISA	0.685 Abs	0.129 ng/mL		0.000 - 0.400	C03
AB33396	Saxitoxin (PSP) ELISA	0.653 Abs [0.6690] {3.4 CV}	0.145 ng/mL [0.138] {8.3 CV}		0.000 - 0.400	D03
AB33397	Saxitoxin (PSP) ELISA	1.070 Abs	0.004 ng/mL		0.000 - 0.400	E03
AB33397	Saxitoxin (PSP) ELISA	0.701 Abs [0.8855] {29.5 CV}	0.121 ng/mL [0.051] {132.4 CV}		0.000 - 0.400	F03
AB33392	Saxitoxin (PSP) ELISA	0.563 Abs	0.204 ng/mL		0.000 - 0.400	G03
AB33392	Saxitoxin (PSP) ELISA	0.741 Abs [0.6520] {19.3 CV}	0.102 ng/mL [0.146] {47.1 CV}		0.000 - 0.400	H03
AB33393	Saxitoxin (PSP) ELISA	0.850 Abs	0.062 ng/mL		0.000 - 0.400	A04
AB33393	Saxitoxin (PSP) ELISA	1.159 Abs [1.0045] {21.8 CV}	< 0.000 ng/mL [0.019]	Out(LR)	0.000 - 0.400	B04
AB33395LD	Saxitoxin (PSP) ELISA	0.920 Abs	0.040 ng/mL		0.000 - 0.400	C04
AB33395LD	Saxitoxin (PSP) ELISA	0.821 Abs [0.8705] {8.0 CV}	0.071 ng/mL [0.055] {39.5 CV}		0.000 - 0.400	D04
20180626LB	Saxitoxin (PSP) ELISA	1.035 Abs	0.011 ng/mL		0.000 - 0.400	E04
20180626LB	Saxitoxin (PSP) ELISA	0.748 Abs [0.8915] {22.8 CV}	0.100 ng/mL [0.048] {113.4 CV}		0.000 - 0.400	F04
AB33394dil	Saxitoxin (PSP) ELISA	0.824 Abs	0.141 ng/mL		0.000 - 0.400	G04
AB33394dil	Saxitoxin (PSP) ELISA	0.887 Abs [0.8555] {5.2 CV}	0.099 ng/mL [0.119] {24.7 CV}		0.000 - 0.400	H04
AB33392dil	Saxitoxin (PSP) ELISA	0.762 Abs	0.187 ng/mL		0.000 - 0.400	A05
AB33392dil	Saxitoxin (PSP) ELISA	0.806 Abs [0.7840] {4.0 CV}	0.154 ng/mL [0.169] {13.7 CV}		0.000 - 0.400	B05

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

6/27/18

Date



Assay Calibration Report

Assay Information

Assay Name: Saxitoxin (PSP) ELISA Units: ng/mL
 Assay Mode: 4-Parameter Logistic Weight # of decimals: 3
 Normal: By 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
6/27/2018 11:45:35 AM			
Std1	1.096 Abs	< 0.000 ng/mL	B01
Std2	1.240 Abs	< 0.000 ng/mL	C01
Std2	0.729 Abs	0.098 ng/mL	D01
Std3	0.839 Abs	0.059 ng/mL	F01
Std4	0.789 Abs	0.076 ng/mL	H01
Std5	0.496 Abs	0.235 ng/mL	A02
Std5	0.490 Abs	0.240 ng/mL	B02
Std6	0.365 Abs	0.382 ng/mL	C02
Std6	0.369 Abs	0.376 ng/mL	D02
6/27/2018 11:45:35 AM			
Normal Control	0.839 Abs	0.059 ng/mL	F02
Normal Control	0.794 Abs	0.074 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.096						
Std2	0.984	0.361	36.70				-100.00
Std3	0.839			0.059			18.00
Std4	0.789			0.076			-24.00
Std5	0.493	0.004	0.86	0.237	0.004	1.49	18.50
Std6	0.367	0.003	0.77	0.379	0.004	1.12	-5.25
Normal Control	0.817	0.032	3.90	0.067	0.011	15.95	

