



Saxitoxin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33649	Paynetown SRA	7/9/2018	7/12/2018	0.077
AB33650	Fairfax SRA	7/9/2018	7/12/2018	< 0.060
AB33651	Starve Hollow SRA	7/9/2018	7/12/2018	0.069
AB33652	Raccoon Lake SRA	7/9/2018	7/12/2018	< 0.060
AB33653	Starve Hollow (Field Duplicate)	7/9/2018	7/12/2018	0.078
AB33654	Field Blank	7/9/2018	7/12/2018	< 0.060
AB33642	Whitewater Memorial SP	7/9/2018	7/12/2018	< 0.060
AB33643	Mounds SRA	7/9/2018	7/12/2018	< 0.060
AB33643LD	Mounds (Lab Duplicate)	7/9/2018	7/12/2018	< 0.060
AB33645	Hardy Lake SRA	7/9/2018	7/12/2018	0.179
AB33648	Field Blank	7/9/2018	7/12/2018	< 0.300
AB33655	Quakertown SRA	7/9/2018	7/12/2018	0.076
AB33656	Deam Lake SRA	7/9/2018	7/12/2018	< 0.060
AB33669	Dog Park Lake	7/9/2018	7/12/2018	0.067
20180710LB	Lab Blank	7/10/2018	7/12/2018	< 0.060



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/12/2018 11:01:29 AM						
Std1	Saxitoxin (PSP) ELISA	1.373 Abs	< 0.000 ng/mL		0.000	A01
Std1	Saxitoxin (PSP) ELISA	1.361 Abs	0.000 ng/mL		0.000	B01
Std2	Saxitoxin (PSP) ELISA	1.139 Abs	0.018 ng/mL		0.020	C01
Std2	Saxitoxin (PSP) ELISA	1.105 Abs	0.022 ng/mL		0.020	D01
Std3	Saxitoxin (PSP) ELISA	0.895 Abs	0.052 ng/mL		0.050	E01
Std3	Saxitoxin (PSP) ELISA	0.908 Abs	0.050 ng/mL		0.050	F01
Std4	Saxitoxin (PSP) ELISA	0.671 Abs	0.111 ng/mL		0.100	G01
Std4	Saxitoxin (PSP) ELISA	0.773 Abs	0.079 ng/mL		0.100	H01
Std5	Saxitoxin (PSP) ELISA	0.484 Abs	0.222 ng/mL		0.200	A02
Std5	Saxitoxin (PSP) ELISA	0.496 Abs	0.212 ng/mL		0.200	B02
Std6	Saxitoxin (PSP) ELISA	0.368 Abs	0.385 ng/mL		0.400	C02
Std6	Saxitoxin (PSP) ELISA	0.371 Abs	0.379 ng/mL		0.400	D02
Normal Control	Saxitoxin (PSP) ELISA	0.864 Abs	0.062 ng/mL			E02
Normal Control	Saxitoxin (PSP) ELISA	0.851 Abs	0.065 ng/mL			F02
AB33649	Saxitoxin (PSP) ELISA	0.542 Abs	0.210 ng/mL		0.000 - 0.400	G02
AB33649	Saxitoxin (PSP) ELISA	1.123 Abs [0.8325] {49.3	0.022 ng/mL [0.077] {114.6 CV		0.000 - 0.400	H02
AB33650	Saxitoxin (PSP) ELISA	1.255 Abs	0.008 ng/mL		0.000 - 0.400	A03
AB33650	Saxitoxin (PSP) ELISA	1.158 Abs [1.2065] {5.7 C	0.018 ng/mL [0.012] {54.4 CV}		0.000 - 0.400	B03
AB33651	Saxitoxin (PSP) ELISA	0.874 Abs	0.066 ng/mL		0.000 - 0.400	C03
AB33651	Saxitoxin (PSP) ELISA	0.846 Abs [0.8600] {2.3 C	0.073 ng/mL [0.069] {7.1 CV}		0.000 - 0.400	D03
AB33652	Saxitoxin (PSP) ELISA	1.374 Abs	< 0.000 ng/mL	Out(LR)	0.000 - 0.400	E03
AB33652	Saxitoxin (PSP) ELISA	0.621 Abs [0.9975] {53.4	0.158 ng/mL [0.041]		0.000 - 0.400	F03
AB33653	Saxitoxin (PSP) ELISA	0.761 Abs	0.098 ng/mL		0.000 - 0.400	G03
AB33653	Saxitoxin (PSP) ELISA	0.892 Abs [0.8265] {11.2	0.062 ng/mL [0.078] {31.8 CV}		0.000 - 0.400	H03
AB33654	Saxitoxin (PSP) ELISA	0.829 Abs	0.077 ng/mL		0.000 - 0.400	A04
AB33654	Saxitoxin (PSP) ELISA	0.995 Abs [0.9120] {12.9	0.041 ng/mL [0.057] {43.1 CV}		0.000 - 0.400	B04
AB33642	Saxitoxin (PSP) ELISA	1.023 Abs	0.036 ng/mL		0.000 - 0.400	C04
AB33642	Saxitoxin (PSP) ELISA	0.916 Abs [0.9695] {7.8 C	0.056 ng/mL [0.045] {30.7 CV}		0.000 - 0.400	D04
AB33643	Saxitoxin (PSP) ELISA	1.112 Abs	0.023 ng/mL		0.000 - 0.400	E04
AB33643	Saxitoxin (PSP) ELISA	0.982 Abs [1.0470] {8.8 C	0.043 ng/mL [0.032] {42.9 CV}		0.000 - 0.400	F04
AB33643LD	Saxitoxin (PSP) ELISA	0.821 Abs	0.079 ng/mL		0.000 - 0.400	G04
AB33643LD	Saxitoxin (PSP) ELISA	1.106 Abs [0.9635] {20.9	0.024 ng/mL [0.046] {75.5 CV}		0.000 - 0.400	H04
AB33645	Saxitoxin (PSP) ELISA	0.591 Abs	0.176 ng/mL		0.000 - 0.400	A05
AB33645	Saxitoxin (PSP) ELISA	0.580 Abs [0.5855] {1.3 C	0.184 ng/mL [0.179] {3.1 CV}		0.000 - 0.400	B05
AB33648	Saxitoxin (PSP) ELISA	0.812 Abs	0.083 ng/mL		0.000 - 0.400	C05
AB33648	Saxitoxin (PSP) ELISA	1.024 Abs [0.9180] {16.3	0.036 ng/mL [0.056] {55.9 CV}		0.000 - 0.400	D05
AB33655	Saxitoxin (PSP) ELISA	0.748 Abs	0.102 ng/mL		0.000 - 0.400	E05
AB33655	Saxitoxin (PSP) ELISA	0.923 Abs [0.8355] {14.8	0.055 ng/mL [0.076] {42.3 CV}		0.000 - 0.400	F05
AB33656	Saxitoxin (PSP) ELISA	1.114 Abs	0.023 ng/mL		0.000 - 0.400	G05
AB33656	Saxitoxin (PSP) ELISA	1.127 Abs [1.1205] {0.8 C	0.021 ng/mL [0.022] {6.4 CV}		0.000 - 0.400	H05
AB33669	Saxitoxin (PSP) ELISA	1.055 Abs	0.031 ng/mL		0.000 - 0.400	A06
AB33669	Saxitoxin (PSP) ELISA	0.683 Abs [0.8690] {30.3	0.129 ng/mL [0.067] {86.6 CV}		0.000 - 0.400	B06
20180710LB	Saxitoxin (PSP) ELISA	1.147 Abs	0.019 ng/mL		0.000 - 0.400	C06
20180710LB	Saxitoxin (PSP) ELISA	1.081 Abs [1.1140] {4.2 C	0.027 ng/mL [0.023] {24.6 CV}		0.000 - 0.400	D06

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

7/12/18

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 None 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
7/12/2018 11:01:29 AM			
Std1	1.373 Abs	< 0.000 ng/mL	A01
Std1	1.361 Abs	0.000 ng/mL	B01
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Std3	0.908 Abs	0.053 ng/mL	F01
Std4	0.773 Abs	0.086 ng/mL	H01
Std5	0.484 Abs	0.236 ng/mL	A02
Std5	0.496 Abs	0.226 ng/mL	B02
Std6	0.368 Abs	0.379 ng/mL	C02
Std6	0.371 Abs	0.374 ng/mL	D02
7/12/2018 11:01:29 AM			
Normal Control	0.851 Abs	0.065 ng/mL	F02
Normal Control	0.864 Abs	0.062 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.367	0.008	0.62				
Std2	1.122	0.024	2.14	0.020	0.003	14.14	0.00
Std3	0.901	0.009	1.02	0.054	0.001	2.62	8.00
Std4	0.773			0.086			-14.00
Std5	0.490	0.008	1.73	0.231	0.007	3.06	15.50
Std6	0.369	0.002	0.57	0.377	0.004	0.94	-5.75
Normal Control	0.858	0.009	1.07	0.064	0.002	3.34	

