



Saxitoxin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33965	Field Blank	8/14/2018	8/16/2018	< 0.060
AB33960	Potawatomi Inn's Beach	8/14/2018	8/16/2018	< 0.060
AB33961	Pokagon SP	8/14/2018	8/16/2018	< 0.060
AB33962	Chain O'Lakes SP	8/14/2018	8/16/2018	< 0.060
AB33963	Kunkel Beach @ Quabache SP	8/14/2018	8/16/2018	0.068
AB33964	Chain O'Lakes (Field Duplicate)	8/14/2018	8/16/2018	< 0.060
AB33966	Lost Bridge West SRA	8/13/2018	8/16/2018	< 0.060
AB33967	Potato Creek SP	8/13/2018	8/16/2018	< 0.060
AB33968	Mississinewa Lake Miami SRA	8/13/2018	8/16/2018	< 0.060
AB33969	Dog Park Lake	8/14/2018	8/16/2018	< 0.060
AB33963LD	Kunkel Beach (Lab Duplicate)	8/14/2018	8/16/2018	0.074
20180815LB	Lab Blank	8/14/2018	8/16/2018	< 0.060



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/16/2018 10:29:20 AM						
Std1	Saxitoxin (PSP) ELISA	1.439 Abs	< 0.000 ng/mL		0.000	A01
Std1	Saxitoxin (PSP) ELISA	1.430 Abs	0.000 ng/mL		0.000	B01
Std2	Saxitoxin (PSP) ELISA	1.184 Abs	0.019 ng/mL		0.020	C01
Std2	Saxitoxin (PSP) ELISA	1.167 Abs	0.021 ng/mL		0.020	D01
Std3	Saxitoxin (PSP) ELISA	0.886 Abs	0.053 ng/mL		0.050	E01
Std3	Saxitoxin (PSP) ELISA	0.936 Abs	0.046 ng/mL		0.050	F01
Std4	Saxitoxin (PSP) ELISA	0.650 Abs	0.108 ng/mL		0.100	G01
Std4	Saxitoxin (PSP) ELISA	0.686 Abs	0.097 ng/mL		0.100	H01
Std5	Saxitoxin (PSP) ELISA	0.483 Abs	0.200 ng/mL		0.200	A02
Std5	Saxitoxin (PSP) ELISA	0.498 Abs	0.187 ng/mL		0.200	B02
Std6	Saxitoxin (PSP) ELISA	0.359 Abs	0.398 ng/mL		0.400	C02
Std6	Saxitoxin (PSP) ELISA	0.352 Abs	> 0.400 ng/mL		0.400	D02
Normal Control	Saxitoxin (PSP) ELISA	0.789 Abs	0.071 ng/mL			E02
Normal Control	Saxitoxin (PSP) ELISA	0.840 Abs	0.061 ng/mL			F02
AB33965	Saxitoxin (PSP) ELISA	1.451 Abs	< 0.000 ng/mL	Out(LR)	0.000 - 0.400	G02
AB33965	Saxitoxin (PSP) ELISA	1.457 Abs [1.4540] {0.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.000 - 0.400	H02
AB33960	Saxitoxin (PSP) ELISA	1.328 Abs	0.009 ng/mL		0.000 - 0.400	A03
AB33960	Saxitoxin (PSP) ELISA	1.375 Abs [1.3515] {2.5 CV}	0.005 ng/mL [0.007] {40.4 CV}		0.000 - 0.400	B03
AB33961	Saxitoxin (PSP) ELISA	1.290 Abs	0.012 ng/mL		0.000 - 0.400	C03
AB33961	Saxitoxin (PSP) ELISA	1.268 Abs [1.2790] {1.2 CV}	0.013 ng/mL [0.013] {5.7 CV}		0.000 - 0.400	D03
AB33962	Saxitoxin (PSP) ELISA	0.900 Abs	0.056 ng/mL		0.000 - 0.400	E03
AB33962	Saxitoxin (PSP) ELISA	0.931 Abs [0.9155] {2.4 CV}	0.052 ng/mL [0.054] {5.2 CV}		0.000 - 0.400	F03
AB33963	Saxitoxin (PSP) ELISA	0.830 Abs	0.069 ng/mL		0.000 - 0.400	G03
AB33963	Saxitoxin (PSP) ELISA	0.846 Abs [0.8380] {1.4 CV}	0.066 ng/mL [0.068] {3.1 CV}		0.000 - 0.400	H03
AB33964	Saxitoxin (PSP) ELISA	0.895 Abs	0.057 ng/mL		0.000 - 0.400	A04
AB33964	Saxitoxin (PSP) ELISA	0.881 Abs [0.8880] {1.1 CV}	0.059 ng/mL [0.058] {2.4 CV}		0.000 - 0.400	B04
AB33966	Saxitoxin (PSP) ELISA	1.038 Abs	0.036 ng/mL		0.000 - 0.400	C04
AB33966	Saxitoxin (PSP) ELISA	1.035 Abs [1.0365] {0.2 CV}	0.037 ng/mL [0.037] {1.9 CV}		0.000 - 0.400	D04
AB33967	Saxitoxin (PSP) ELISA	0.999 Abs	0.042 ng/mL		0.000 - 0.400	E04
AB33967	Saxitoxin (PSP) ELISA	1.049 Abs [1.0240] {3.5 CV}	0.035 ng/mL [0.038] {12.9 CV}		0.000 - 0.400	F04
AB33968	Saxitoxin (PSP) ELISA	1.364 Abs	0.005 ng/mL		0.000 - 0.400	G04
AB33968	Saxitoxin (PSP) ELISA	1.337 Abs [1.3505] {1.4 CV}	0.008 ng/mL [0.007] {32.6 CV}		0.000 - 0.400	H04
AB33969	Saxitoxin (PSP) ELISA	1.334 Abs	0.009 ng/mL		0.000 - 0.400	A05
AB33969	Saxitoxin (PSP) ELISA	1.332 Abs [1.3330] {0.1 CV}	0.009 ng/mL [0.009] {0.0 CV}		0.000 - 0.400	B05
AB33963LD	Saxitoxin (PSP) ELISA	0.815 Abs	0.073 ng/mL		0.000 - 0.400	C05
AB33963LD	Saxitoxin (PSP) ELISA	0.799 Abs [0.8070] {1.4 CV}	0.076 ng/mL [0.074] {2.8 CV}		0.000 - 0.400	D05
20180815LB	Saxitoxin (PSP) ELISA	1.410 Abs	0.002 ng/mL		0.000 - 0.400	E05
20180815LB	Saxitoxin (PSP) ELISA	1.367 Abs [1.3885] {2.2 CV}	0.005 ng/mL [0.004] {60.6 CV}		0.000 - 0.400	F05

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

8/16/2018

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
8/16/2018 10:29:20 AM			
Std1	1.439 Abs	< 0.000 ng/mL	A01
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Std2	1.167 Abs	0.021 ng/mL	D01
Std3	0.886 Abs	0.053 ng/mL	E01
Std3	0.936 Abs	0.046 ng/mL	F01
Std4	0.650 Abs	0.108 ng/mL	G01
Std4	0.686 Abs	0.097 ng/mL	H01
Std5	0.483 Abs	0.200 ng/mL	A02
Std5	0.498 Abs	0.187 ng/mL	B02
Std6	0.359 Abs	0.398 ng/mL	C02
Std6	0.352 Abs	> 0.400 ng/mL	D02
8/16/2018 10:29:20 AM			
Normal Control	0.840 Abs	0.061 ng/mL	F02
Normal Control	0.789 Abs	0.071 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.434	0.006	0.44				
Std2	1.176	0.012	1.02	0.020	0.001	7.07	0.00
Std3	0.911	0.035	3.88	0.049	0.005	10.00	-2.00
Std4	0.668	0.025	3.81	0.103	0.008	7.59	3.00
Std5	0.491	0.011	2.16	0.194	0.009	4.75	-3.00
Std6	0.355	0.005	1.39				-100.00
Normal Control	0.814	0.036	4.43	0.066	0.007	10.71	

