



## Anatoxin-a ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB32890	Potato Creek State Park	5/21/2018	5/23/2018	< 0.400
AB32891	Lost Bridge West SRA	5/21/2018	5/23/2018	< 0.400
AB32892	Mississinewa Lake Miami SRA	5/21/2018	5/23/2018	< 0.400
AB32888	Potato Creek (Field Duplicate)	5/21/2018	5/23/2018	< 0.400
AB32889	Field Blank	5/21/2018	5/23/2018	< 0.400
AB32884	Southern Basin Inn's Beach	5/21/2018	5/23/2018	< 0.400
AB32885	Pokagon State Park	5/21/2018	5/23/2018	< 0.400
AB32886	Chain O'Lakes State Park	5/21/2018	5/23/2018	< 0.400
AB32887	Kunkel Beach @ Quabache State I	5/21/2018	5/23/2018	< 0.400
AB32882	Southern Basin Inn (Field Duplicate)	5/21/2018	5/23/2018	< 0.400
AB32883	Field Blank	5/21/2018	5/23/2018	< 0.400
AB32887LD	Kunkel Beach (Lab Duplicate)	5/21/2018	5/23/2018	< 0.400
20180521LB	Lab Blank	5/21/2018	5/23/2018	< 0.400



# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/23/2018 3:47:50 PM						
Std1	Anatoxin a ELISA (2 rep)	1.525 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.453 Abs	0.043 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.323 Abs	0.212 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.463 Abs	0.031 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.011 Abs	0.829 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.280 Abs	0.276 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	1.003 Abs	0.851 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	1.037 Abs	0.761 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.563 Abs	3.406 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.648 Abs	2.550 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.492 Abs	4.461 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.473 Abs	4.826 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.929 Abs	1.075 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.048 Abs	0.733 ng/mL			F02
AB32890	Anatoxin a ELISA (2 rep)	1.403 Abs	0.114 ng/mL	LOW	0.150 - 5.000	G02
<del>AB32890</del>	<del>Anatoxin a ELISA (2 rep)</del>	<del>0.850 Abs [1.1265] [34.7</del>	<del>1.504 ng/mL [0.609] [121.5 CV</del>		<del>0.150 - 5.000</del>	<del>H02</del>
AB32891	Anatoxin a ELISA (2 rep)	1.102 Abs	0.668 ng/mL		0.150 - 5.000	A03
AB32891	Anatoxin a ELISA (2 rep)	1.558 Abs [1.3300] [24.2	< 0.000 ng/mL [0.222]	Out(LR)	0.150 - 5.000	B03
AB32892	Anatoxin a ELISA (2 rep)	1.480 Abs	0.013 ng/mL	LOW	0.150 - 5.000	C03
AB32892	Anatoxin a ELISA (2 rep)	1.531 Abs [1.5055] [2.4 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	D03
AB32888	Anatoxin a ELISA (2 rep)	1.536 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E03
AB32888	Anatoxin a ELISA (2 rep)	1.642 Abs [1.5890] [4.7 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F03
AB32889	Anatoxin a ELISA (2 rep)	1.498 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G03
AB32889	Anatoxin a ELISA (2 rep)	1.494 Abs [1.4960] [0.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H03
AB32884	Anatoxin a ELISA (2 rep)	1.444 Abs	0.058 ng/mL	LOW	0.150 - 5.000	A04
AB32884	Anatoxin a ELISA (2 rep)	1.560 Abs [1.5020] [5.5 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B04
AB32885	Anatoxin a ELISA (2 rep)	1.573 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C04
AB32885	Anatoxin a ELISA (2 rep)	1.547 Abs [1.5600] [1.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	D04
AB32886	Anatoxin a ELISA (2 rep)	1.568 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E04
AB32886	Anatoxin a ELISA (2 rep)	1.589 Abs [1.5785] [0.9 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F04
AB32887	Anatoxin a ELISA (2 rep)	1.474 Abs	0.021 ng/mL	LOW	0.150 - 5.000	G04
AB32887	Anatoxin a ELISA (2 rep)	1.368 Abs [1.4210] [5.3 C	0.164 ng/mL [0.089] [109.3 CV	[Low]	0.150 - 5.000	H04
AB32882	Anatoxin a ELISA (2 rep)	1.401 Abs	0.117 ng/mL	LOW	0.150 - 5.000	A05
AB32882	Anatoxin a ELISA (2 rep)	1.493 Abs [1.4470] [4.5 C	< 0.000 ng/mL [0.055]	Out(LR) [Low]	0.150 - 5.000	B05
AB32883	Anatoxin a ELISA (2 rep)	1.509 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C05
AB32883	Anatoxin a ELISA (2 rep)	1.265 Abs [1.3870] [12.4	0.330 ng/mL [0.136]	[Low]	0.150 - 5.000	D05
AB32887LD	Anatoxin a ELISA (2 rep)	1.377 Abs	0.151 ng/mL		0.150 - 5.000	E05
AB32887LD	Anatoxin a ELISA (2 rep)	1.528 Abs [1.4525] [7.4 C	< 0.000 ng/mL [0.047]	Out(LR) [Low]	0.150 - 5.000	F05
20180521LB	Anatoxin a ELISA (2 rep)	1.389 Abs	0.133 ng/mL	LOW	0.150 - 5.000	G05
20180521LB	Anatoxin a ELISA (2 rep)	1.314 Abs [1.3515] [3.9 C	0.247 ng/mL [0.189] [42.4 CV]		0.150 - 5.000	H05

DHJ  
5/23/18  
call  
Coached

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

5/23/2018

Date



## Assay Calibration Report

### Assay Information

Assay Name: Anatoxin a ELISA (2 rep) Units: ng/mL  
Assay Mode: 4-Parameter Logistic Weight # of decimals: 3  
Normal: By 15.000 Assay Description: ELISA

Controls:  
Normal Control

Standards:

Std1, Concentration = 0.000, Minimum number to use: 2  
Std2, Concentration = 0.150, Minimum number to use: 2  
Std3, Concentration = 0.400, Minimum number to use: 2  
Std4, Concentration = 1.000, Minimum number to use: 2  
Std5, Concentration = 2.500, Minimum number to use: 2  
Std6, Concentration = 5.000, Minimum number to use: 2

Curve valid interval: 7 days 0 hours

### Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
5/23/2018 3:47:50 PM			
Std1	1.525 Abs	< 0.000 ng/mL	A01
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5/23/2018 3:47:50 PM			
Normal Control	1.048 Abs	0.733 ng/mL	F02
Normal Control	0.929 Abs	1.075 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.489	0.051	3.42				
Std2	1.393	0.099	7.11	0.122	0.128	105.34	-18.67
Std3	1.145	0.190	16.61	0.553	0.391	70.77	38.25
Std4	1.020	0.024	2.36	0.806	0.064	7.90	-19.40
Std5	0.605	0.060	9.93	2.978	0.605	20.33	19.12
Std6	0.483	0.013	2.78	4.644	0.258	5.56	-7.12
Normal Control	0.988	0.084	8.51	0.904	0.242	26.75	

