



## Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30311	Pokagon SP	8/14/2017	8/16/2017	< 0.40
AB30312	Southern Basin Inn's Beach	8/14/2017	8/16/2017	< 0.40
AB30313	Chain O'Lakes SP	8/14/2017	8/16/2017	< 0.40
AB30314	Lost Bridge West SRA	8/14/2017	8/16/2017	< 0.40
AB30315	Mississinewa Lake Miami SRA	8/15/2017	8/16/2017	< 0.40
AB30316	Potato Creek SP	8/15/2017	8/16/2017	< 0.40
AB30317	Southern Basin Inn (Field Duplicate)	8/14/2017	8/16/2017	< 0.40
AB30318	Field Blank	8/14/2017	8/16/2017	< 0.40
AB30313LD	Chain O'Lakes (Lab Duplicate)	8/14/2017	8/16/2017	< 0.40
20170816LB	Lab Blank	8/14/2017	8/16/2017	< 0.40



# Assay Calibration Report

## Assay Information

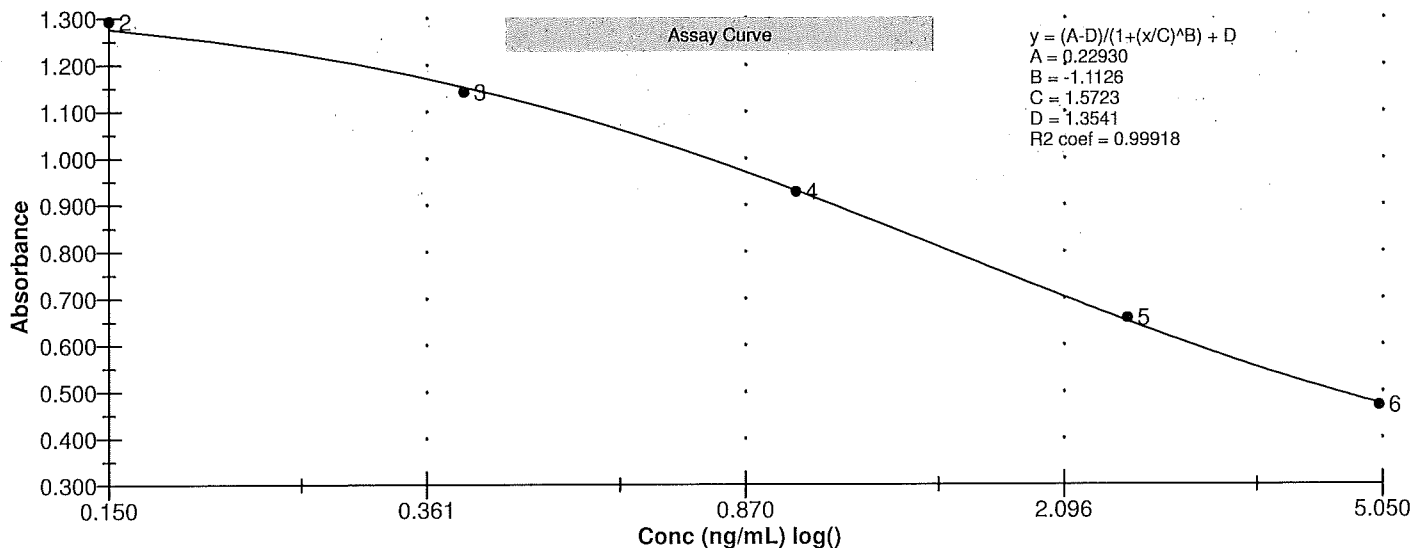
Assay Name: Anatoxin a ELISA (2 rep) Units: ng/mL  
 Assay Mode: 4-Parameter Logistic # of decimals: 3  
 Normal: 0.150 - 5.000 Assay Description: ELISA

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  
 Axis Mode: Y = Abs, X = Log(Conc)

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/16/2017 1:09:21 PM			
Std1	1.405 Abs	< 0.000 ng/mL	A01
Std1	1.289 Abs	0.128 ng/mL	B01
Std2	1.337 Abs	0.037 ng/mL	C01
Std2	1.252 Abs	0.198 ng/mL	D01
Std3	1.103 Abs	0.512 ng/mL	E01
Std3	1.181 Abs	0.340 ng/mL	F01
Std4	0.888 Abs	1.153 ng/mL	G01
Std4	0.968 Abs	0.877 ng/mL	H01
Std5	0.647 Abs	2.524 ng/mL	A02
Std5	0.667 Abs	2.359 ng/mL	B02
Std6	0.469 Abs	> 5.000 ng/mL	C02
Std6	0.468 Abs	> 5.000 ng/mL	D02
8/16/2017 1:09:21 PM			
Normal Control	1.097 Abs	0.527 ng/mL	F02
Normal Control	0.941 Abs	0.965 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.347	0.082	6.09				
Std2	1.294	0.060	4.64	0.117	0.114	96.89	-22.00
Std3	1.142	0.055	4.83	0.426	0.122	28.55	6.50
Std4	0.928	0.057	6.10	1.015	0.195	19.23	1.50
Std5	0.657	0.014	2.15	2.441	0.117	4.78	-2.36
Std6	0.469	0.001	0.15				-100.00
Normal Control	1.019	0.110	10.83	0.746	0.310	41.52	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/16/2017 1:09:21 PM						
Std1	Anatoxin a ELISA (2 rep)	1.405 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.289 Abs	0.128 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.337 Abs	0.037 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.252 Abs	0.198 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.103 Abs	0.512 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.181 Abs	0.340 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.888 Abs	1.153 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.968 Abs	0.877 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.647 Abs	2.524 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.667 Abs	2.359 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.469 Abs	> 5.000 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.468 Abs	> 5.000 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.941 Abs	0.965 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.097 Abs	0.527 ng/mL			F02
AB30311	Anatoxin a ELISA (2 rep)	1.558 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G02
AB30311	Anatoxin a ELISA (2 rep)	1.576 Abs [1.5670] {0.8 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H02
AB30312	Anatoxin a ELISA (2 rep)	1.464 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	A03
AB30312	Anatoxin a ELISA (2 rep)	1.420 Abs [1.4420] {2.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B03
AB30313	Anatoxin a ELISA (2 rep)	1.327 Abs	0.062 ng/mL	LOW	0.150 - 5.000	C03
AB30313	Anatoxin a ELISA (2 rep)	1.355 Abs [1.3410] {1.5 C	< 0.000 ng/mL [0.032]	Out(LR) [Low]	0.150 - 5.000	D03
AB30314	Anatoxin a ELISA (2 rep)	1.428 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E03
AB30314	Anatoxin a ELISA (2 rep)	1.474 Abs [1.4510] {2.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F03
AB30315	Anatoxin a ELISA (2 rep)	1.366 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G03
AB30315	Anatoxin a ELISA (2 rep)	1.238 Abs [1.3020] {7.0 C	0.247 ng/mL [0.114]	[Low]	0.150 - 5.000	H03
AB30316	Anatoxin a ELISA (2 rep)	1.206 Abs	0.318 ng/mL		0.150 - 5.000	A04
AB30316	Anatoxin a ELISA (2 rep)	1.415 Abs [1.3105] {11.3	< 0.000 ng/mL [0.097]	Out(LR) [Low]	0.150 - 5.000	B04
AB30317	Anatoxin a ELISA (2 rep)	1.488 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C04
AB30317	Anatoxin a ELISA (2 rep)	1.343 Abs [1.4155] {7.2 C	0.027 ng/mL [< 0.000]	Low [Out(LR)]	0.150 - 5.000	D04
AB30318	Anatoxin a ELISA (2 rep)	1.439 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E04
AB30318	Anatoxin a ELISA (2 rep)	1.551 Abs [1.4950] {5.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F04
AB30319	Anatoxin a ELISA (2 rep)	1.320 Abs	0.077 ng/mL	LOW	0.150 - 5.000	G04
AB30319	Anatoxin a ELISA (2 rep)	1.434 Abs [1.3770] {5.9 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H04
AB30313LD	Anatoxin a ELISA (2 rep)	1.232 Abs	0.261 ng/mL		0.150 - 5.000	A05
AB30313LD	Anatoxin a ELISA (2 rep)	1.279 Abs [1.2555] {2.6 C	0.162 ng/mL [0.210] {33.1 CV}		0.150 - 5.000	B05
20170816LB	Anatoxin a ELISA (2 rep)	1.231 Abs	0.263 ng/mL		0.150 - 5.000	C05
20170816LB	Anatoxin a ELISA (2 rep)	1.310 Abs [1.2705] {4.4 C	0.098 ng/mL [0.179] {64.6 CV}	LOW	0.150 - 5.000	D05

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

*8/16/2017*

Date