



## Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26462	Paynetown (Field Duplicate)	8/8/2016	8/10/2016	< 0.15
AB26463	Field Blank	8/8/2016	8/10/2016	< 0.15
AB26464	Paynetown SRA	8/8/2016	8/10/2016	< 0.15
AB26465	Raccoon Lake SRA	8/8/2016	8/10/2016	< 0.15
AB26466	Whitewater Memorial SP	8/9/2016	8/10/2016	< 0.15
AB26466LD	Whitewater (Lab Duplicate)	8/9/2016	8/10/2016	< 0.15
AB26467	Quakertown SRA	8/9/2016	8/10/2016	< 0.15
AB26468	Mounds SRA	8/9/2016	8/10/2016	< 0.15
AB26469	Hardy Lake SRA	8/9/2016	8/10/2016	0.429
20160810LB	Lab Blank	8/10/2016	8/10/2016	< 0.15



# 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

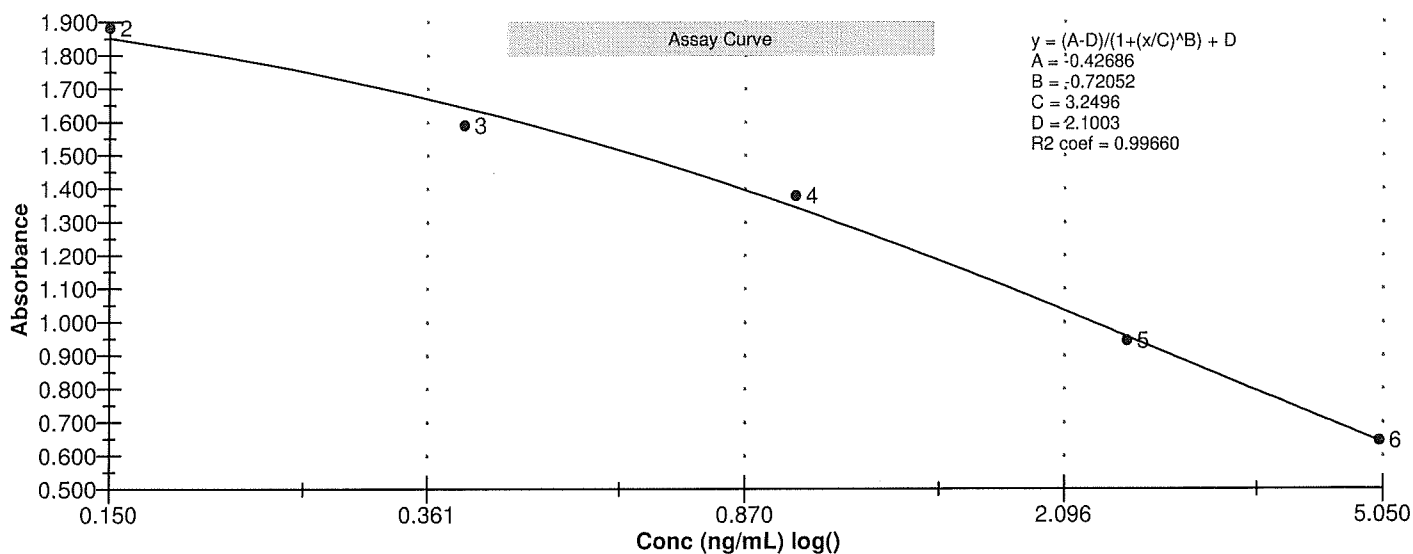
Controls:  
 Normal Control

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
8/10/2016 12:51:06 PM			
Std1	2.096 Abs	0.000 ng/mL	A01
Std2	1.844 Abs	0.157 ng/mL	C01
Std2	1.923 Abs	0.090 ng/mL	D01
Std3	1.590 Abs	0.482 ng/mL	E01
Std4	1.379 Abs	0.909 ng/mL	H01
Std5	0.975 Abs	2.395 ng/mL	A02
Std5	0.914 Abs	2.742 ng/mL	B02
Std6	0.658 Abs	4.825 ng/mL	C02
Std6	0.630 Abs	> 5.000 ng/mL	D02
8/10/2016 12:51:06 PM			
Normal Control	1.439 Abs	0.770 ng/mL	F02
Normal Control	1.618 Abs	0.438 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.096			0.000			
Std2	1.883	0.056	2.97	0.124	0.047	38.36	-17.33
Std3	1.590			0.482			20.50
Std4	1.379			0.909			-9.10
Std5	0.944	0.043	4.57	2.569	0.245	9.55	2.76
Std6	0.644	0.020	3.07				-100.00
Normal Control	1.529	0.127	8.28	0.604	0.235	38.87	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/10/2016 12:51:06 PM						
Std1	Anatoxin a ELISA (2 rep)	2.096 Abs	0.016 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	2.278 Abs	< 0.000 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.844 Abs	0.148 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.923 Abs	0.093 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.590 Abs	0.429 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.500 Abs	0.576 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	1.301 Abs	1.020 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	1.379 Abs	0.823 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.975 Abs	2.307 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.914 Abs	2.667 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.658 Abs	4.894 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.630 Abs	> 5.000 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	1.618 Abs	0.438 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.439 Abs	0.770 ng/mL			F02
AB26462	Anatoxin a ELISA (2 rep)	2.089 Abs	0.002 ng/mL	LOW	0.150 - 5.000	G02
AB26462	Anatoxin a ELISA (2 rep)	1.662 Abs [1.8755] {16.1	0.372 ng/mL [0.129] {139.9 CV	[Low]	0.150 - 5.000	H02
AB26463	Anatoxin a ELISA (2 rep)	2.101 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	A03
AB26463	Anatoxin a ELISA (2 rep)	2.175 Abs [2.1380] {2.4	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B03
AB26464	Anatoxin a ELISA (2 rep)	2.194 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C03
AB26464	Anatoxin a ELISA (2 rep)	2.076 Abs [2.1350] {3.9	0.005 ng/mL [< 0.000]	Low [Out(LR)]	0.150 - 5.000	D03
AB26465	Anatoxin a ELISA (2 rep)	1.933 Abs	0.083 ng/mL	LOW	0.150 - 5.000	E03
AB26465	Anatoxin a ELISA (2 rep)	2.024 Abs [1.9785] {3.3	0.026 ng/mL [0.052] {74.0 CV}	Low [Low]	0.150 - 5.000	F03
AB26466	Anatoxin a ELISA (2 rep)	2.047 Abs	0.016 ng/mL	LOW	0.150 - 5.000	G03
AB26466	Anatoxin a ELISA (2 rep)	2.099 Abs [2.0730] {1.8	0.000 ng/mL [0.006] {141.4 CV	Low [Low]	0.150 - 5.000	H03
AB26466LD	Anatoxin a ELISA (2 rep)	2.141 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	A04
AB26466LD	Anatoxin a ELISA (2 rep)	2.105 Abs [2.1230] {1.2	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B04
AB26467	Anatoxin a ELISA (2 rep)	2.010 Abs	0.034 ng/mL	LOW	0.150 - 5.000	C04
AB26467	Anatoxin a ELISA (2 rep)	2.004 Abs [2.0070] {0.2	0.037 ng/mL [0.035] {6.0 CV}	Low [Low]	0.150 - 5.000	D04
AB26468	Anatoxin a ELISA (2 rep)	1.915 Abs	0.096 ng/mL	LOW	0.150 - 5.000	E04
AB26468	Anatoxin a ELISA (2 rep)	1.831 Abs [1.8730] {3.2	0.170 ng/mL [0.131] {39.3 CV}	[Low]	0.150 - 5.000	F04
AB26469	Anatoxin a ELISA (2 rep)	1.638 Abs	0.407 ng/mL		0.150 - 5.000	G04
AB26469	Anatoxin a ELISA (2 rep)	1.609 Abs [1.6235] {1.3	0.452 ng/mL [0.429] {7.4 CV}		0.150 - 5.000	H04
20160810LB	Anatoxin a ELISA (2 rep)	1.945 Abs	0.074 ng/mL	LOW	0.150 - 5.000	A05
20160810LB	Anatoxin a ELISA (2 rep)	1.928 Abs [1.9365] {0.6	0.086 ng/mL [0.080] {10.6 CV}	Low [Low]	0.150 - 5.000	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

8/11/16

Date