



## Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26345	Fairfax SRA	7/25/2016	7/27/2016	< 0.15
AB26345LD	Fairfax (Lab Duplicate)	7/25/2016	7/27/2016	< 0.15
AB26346	Paynetown SRA	7/25/2016	7/27/2016	< 0.15
AB26347	Starve Hollow SRA	7/25/2016	7/27/2016	< 0.15
AB26348	Hardy Lake (Field Duplicate)	7/25/2016	7/27/2016	< 0.15
AB26349	Field Blank	7/25/2016	7/27/2016	< 0.15
AB26350	Deam Lake SRA	7/25/2016	7/27/2016	< 0.15
AB26351	Hardy Lake SRA	7/25/2016	7/27/2016	< 0.15
AB26352	Whitewater Memorial SP	7/26/2016	7/27/2016	< 0.15
AB26353	Quakertown SRA	7/26/2016	7/27/2016	< 0.15
AB26354	Mounds SRA	7/26/2016	7/27/2016	< 0.15
AB26355	Raccoon Lake SRA	7/26/2016	7/27/2016	< 0.15
20160725LB	Lab Blank	7/25/2016	7/27/2016	< 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

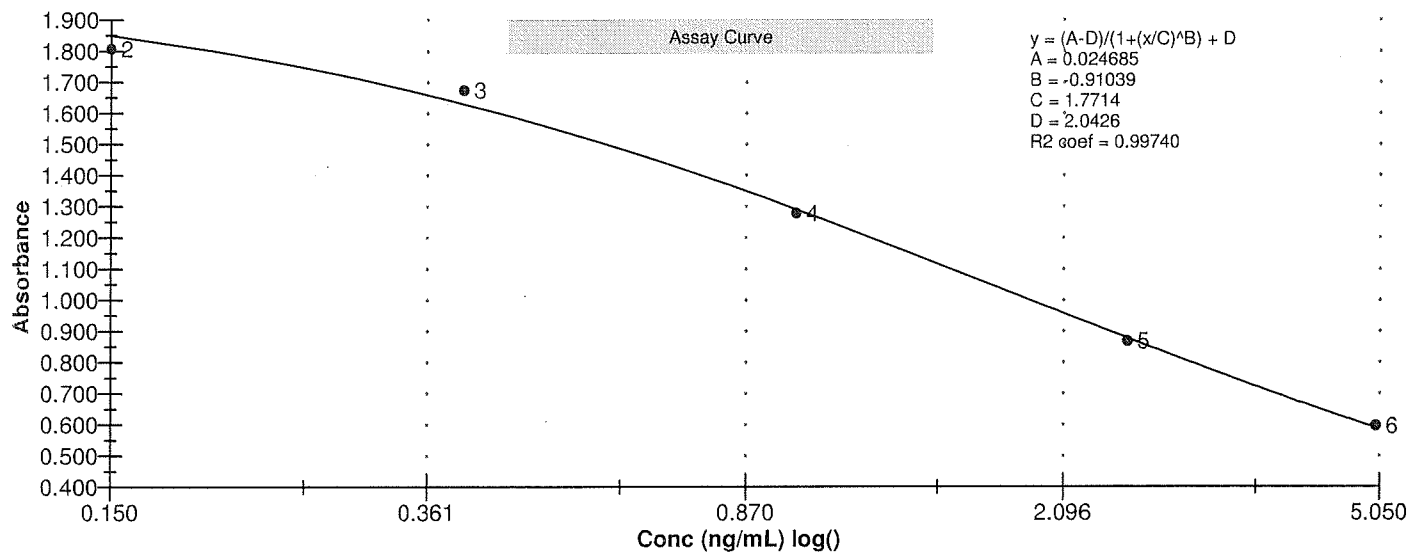
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/27/2016 1:25:39 PM			
Std1	2.016 Abs	0.015 ng/mL	A01
Std1	2.092 Abs	< 0.000 ng/mL	B01
Std2	1.795 Abs	0.204 ng/mL	C01
Std2	1.821 Abs	0.178 ng/mL	D01
Std3	1.666 Abs	0.352 ng/mL	E01
Std3	1.683 Abs	0.331 ng/mL	F01
Std4	1.275 Abs	1.036 ng/mL	G01
Std4	1.283 Abs	1.018 ng/mL	H01
Std5	0.855 Abs	2.625 ng/mL	A02
Std5	0.878 Abs	2.493 ng/mL	B02
Std6	0.595 Abs	4.929 ng/mL	C02
Std6	0.597 Abs	4.903 ng/mL	D02
7/27/2016 1:25:39 PM			
Normal Control	1.379 Abs	0.809 ng/mL	F02
Normal Control	1.360 Abs	0.848 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.054	0.054	2.62				
Std2	1.808	0.018	1.02	0.191	0.018	9.63	27.33
Std3	1.674	0.012	0.72	0.341	0.015	4.35	-14.75
Std4	1.279	0.006	0.44	1.027	0.013	1.24	2.70
Std5	0.867	0.016	1.88	2.559	0.093	3.65	2.36
Std6	0.596	0.001	0.24	4.916	0.018	0.37	-1.68
Normal Control	1.369	0.013	0.98	0.829	0.028	3.33	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/27/2016 1:25:39 PM						
Std1	Anatoxin a ELISA (2 rep)	2.016 Abs	0.015 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	2.092 Abs	< 0.000 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.795 Abs	0.204 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.821 Abs	0.178 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.666 Abs	0.352 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.683 Abs	0.331 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	1.275 Abs	1.036 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	1.283 Abs	1.018 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.855 Abs	2.625 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.878 Abs	2.493 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.595 Abs	4.929 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.597 Abs	4.903 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	1.360 Abs	0.848 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.379 Abs	0.809 ng/mL			F02
AB26345	Anatoxin a ELISA (2 rep)	2.249 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G02
AB26345	Anatoxin a ELISA (2 rep)	2.046 Abs [2.1475] {6.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H02
AB26345LD	Anatoxin a ELISA (2 rep)	2.013 Abs	0.018 ng/mL	LOW	0.150 - 5.000	A03
AB26345LD	Anatoxin a ELISA (2 rep)	2.248 Abs [2.1305] {7.8 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B03
AB26346	Anatoxin a ELISA (2 rep)	2.148 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C03
AB26346	Anatoxin a ELISA (2 rep)	2.295 Abs [2.2215] {4.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	D03
AB26347	Anatoxin a ELISA (2 rep)	2.103 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E03
AB26347	Anatoxin a ELISA (2 rep)	1.984 Abs [2.0435] {4.1 CV}	0.038 ng/mL [< 0.000]	Low [Out(LR)]	0.150 - 5.000	F03
AB26348	Anatoxin a ELISA (2 rep)	2.075 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G03
AB26348	Anatoxin a ELISA (2 rep)	1.871 Abs [1.9730] {7.3 CV}	0.130 ng/mL [0.046]	Low [Low]	0.150 - 5.000	H03
Ab26349	Anatoxin a ELISA (2 rep)	2.040 Abs	0.001 ng/mL	LOW	0.150 - 5.000	A04
Ab26349	Anatoxin a ELISA (2 rep)	2.100 Abs [2.0700] {2.0 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	B04
AB26350	Anatoxin a ELISA (2 rep)	2.181 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	C04
AB26350	Anatoxin a ELISA (2 rep)	2.078 Abs [2.1295] {3.4 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	D04
AB26351	Anatoxin a ELISA (2 rep)	2.054 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E04
AB26351	Anatoxin a ELISA (2 rep)	2.194 Abs [2.1240] {4.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F04
AB26352	Anatoxin a ELISA (2 rep)	2.020 Abs	0.013 ng/mL	LOW	0.150 - 5.000	G04
AB26352	Anatoxin a ELISA (2 rep)	2.102 Abs [2.0610] {2.8 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H04
AB26353	Anatoxin a ELISA (2 rep)	2.026 Abs	0.009 ng/mL	LOW	0.150 - 5.000	A05
AB26353	Anatoxin a ELISA (2 rep)	1.989 Abs [2.0075] {1.3 CV}	0.034 ng/mL [0.021] {82.2 CV}	Low [Low]	0.150 - 5.000	B05
AB26354	Anatoxin a ELISA (2 rep)	1.834 Abs	0.165 ng/mL		0.150 - 5.000	C05
AB26354	Anatoxin a ELISA (2 rep)	1.967 Abs [1.9005] {4.9 CV}	0.050 ng/mL [0.104] {75.6 CV}	Low [Low]	0.150 - 5.000	D05
AB26355	Anatoxin a ELISA (2 rep)	2.166 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	E05
AB26355	Anatoxin a ELISA (2 rep)	2.029 Abs [2.0975] {4.6 CV}	0.007 ng/mL [< 0.000]	Low [Out(LR)]	0.150 - 5.000	F05
20160725LB	Anatoxin a ELISA (2 rep)	2.100 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G05
20160725LB	Anatoxin a ELISA (2 rep)	2.069 Abs [2.0845] {1.1 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H05

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

7/27/2016

Date