



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30236	Fairfax SRA	8/7/2017	8/9/2017	< 0.40
AB30237	Paynetown SRA	8/7/2017	8/9/2017	< 0.40
AB30237LD	Paynetown (Lab Duplicate)	8/7/2017	8/9/2017	0.422
AB30238	Starve Hollow SRA	8/7/2017	8/9/2017	< 0.40
AB30239	Deam Lake SRA	8/7/2017	8/9/2017	< 0.40
AB30240	Hardy Lake SRA	8/7/2017	8/9/2017	< 0.40
AB30241	Whitewater Memorial SP	8/8/2017	8/9/2017	< 0.40
AB30242	Quakertown SRA	8/8/2017	8/9/2017	< 0.40
AB30243	Mounds SRA	8/8/2017	8/9/2017	< 0.40
AB30244	Raccoon Lake SRA	8/8/2017	8/9/2017	< 0.40
AB30234	Mounds (Field Duplicate)	8/8/2017	8/9/2017	< 0.40
AB30235	Field Blank	8/8/2017	8/9/2017	< 0.40
20170808LB	Lab Blank	8/8/2017	8/9/2017	< 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: ISA

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

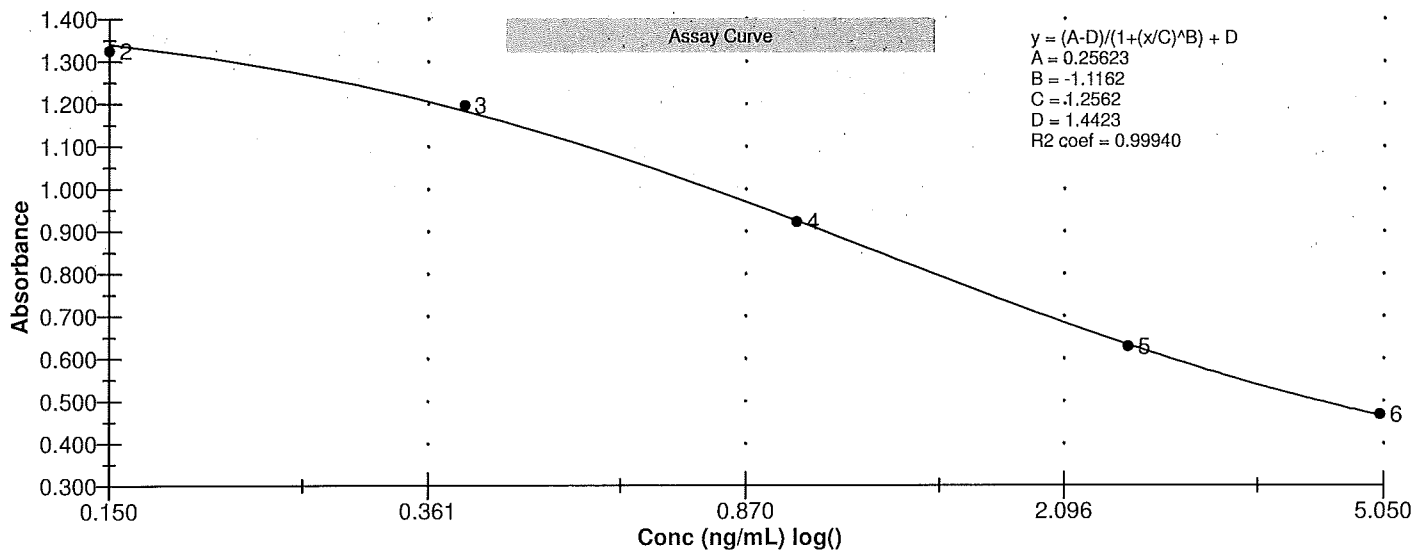
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/9/2017 7:03:11 PM			
Std1	1.504 Abs	< 0.000 ng/mL	A01
Std1	1.392 Abs	0.077 ng/mL	B01
Std2	1.359 Abs	0.124 ng/mL	C01
Std2	1.294 Abs	0.220 ng/mL	D01
Std3	1.179 Abs	0.408 ng/mL	E01
Std3	1.214 Abs	0.348 ng/mL	F01
Std4	0.905 Abs	1.061 ng/mL	G01
Std4	0.939 Abs	0.956 ng/mL	H01
Std5	0.633 Abs	2.493 ng/mL	A02
Std5	0.623 Abs	2.582 ng/mL	B02
Std6	0.482 Abs	4.595 ng/mL	C02
Std6	0.453 Abs	> 5.000 ng/mL	D02
8/9/2017 7:03:11 PM			
Normal Control	0.989 Abs	0.817 ng/mL	F02
Normal Control	0.916 Abs	1.026 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.448	0.079	5.47				
Std2	1.326	0.046	3.46	0.172	0.068	39.47	14.67
Std3	1.197	0.025	2.07	0.378	0.042	11.22	-5.50
Std4	0.922	0.024	2.61	1.008	0.074	7.36	0.80
Std5	0.628	0.007	1.13	2.537	0.063	2.48	1.48
Std6	0.468	0.021	4.39				-100.00
Normal Control	0.952	0.052	5.42	0.921	0.148	16.04	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/9/2017 7:03:11 PM						
Std1	Anatoxin a ELISA (2 rep)	1.504 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.392 Abs	0.077 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.359 Abs	0.124 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.294 Abs	0.220 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.179 Abs	0.408 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.214 Abs	0.348 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.905 Abs	1.061 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.939 Abs	0.956 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.633 Abs	2.493 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.623 Abs	2.582 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.482 Abs	4.595 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.453 Abs	> 5.000 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.916 Abs	1.026 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	0.989 Abs	0.817 ng/mL			F02
AB30236	Anatoxin a ELISA (2 rep)	1.304 Abs	0.226 ng/mL		0.150 - 5.000	G02
AB30236	Anatoxin a ELISA (2 rep)	1.487 Abs [1.3955] {9.3 C	< 0.000 ng/mL [0.079]	Out(LR) [Low]	0.150 - 5.000	H02
AB30237	Anatoxin a ELISA (2 rep)	1.338 Abs	0.169 ng/mL		0.150 - 5.000	A03
AB30237	Anatoxin a ELISA (2 rep)	1.272 Abs [1.3050] {3.6 C	0.279 ng/mL [0.223] {34.7 CV}		0.150 - 5.000	B03
AB30237LD	Anatoxin a ELISA (2 rep)	1.298 Abs	0.235 ng/mL		0.150 - 5.000	C03
AB30237LD	Anatoxin a ELISA (2 rep)	1.087 Abs [1.1925] {12.5	0.646 ng/mL [0.422] {66.0 CV}		0.150 - 5.000	D03
AB30238	Anatoxin a ELISA (2 rep)	1.324 Abs	0.192 ng/mL		0.150 - 5.000	E03
AB30238	Anatoxin a ELISA (2 rep)	1.094 Abs [1.2090] {13.5	0.629 ng/mL [0.392] {75.3 CV}		0.150 - 5.000	F03
AB30239	Anatoxin a ELISA (2 rep)	1.436 Abs	0.013 ng/mL	LOW	0.150 - 5.000	G03
AB30239	Anatoxin a ELISA (2 rep)	1.401 Abs [1.4185] {1.7 C	0.070 ng/mL [0.042] {97.1 CV}	Low [Low]	0.150 - 5.000	H03
AB30240	Anatoxin a ELISA (2 rep)	1.305 Abs	0.223 ng/mL		0.150 - 5.000	A04
AB30240	Anatoxin a ELISA (2 rep)	1.358 Abs [1.3315] {2.8 C	0.139 ng/mL [0.180] {32.8 CV}	LOW	0.150 - 5.000	B04
AB30245	Anatoxin a ELISA (2 rep)	1.318 Abs	0.202 ng/mL		0.150 - 5.000	C04
AB30245	Anatoxin a ELISA (2 rep)	1.378 Abs [1.3480] {3.1 C	0.107 ng/mL [0.154] {43.5 CV}	LOW	0.150 - 5.000	D04
AB30241	Anatoxin a ELISA (2 rep)	1.318 Abs	0.202 ng/mL		0.150 - 5.000	E04
AB30241	Anatoxin a ELISA (2 rep)	1.391 Abs [1.3545] {3.8 C	0.087 ng/mL [0.144] {56.3 CV}	Low [Low]	0.150 - 5.000	F04
AB30242	Anatoxin a ELISA (2 rep)	1.460 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G04
AB30242	Anatoxin a ELISA (2 rep)	1.382 Abs [1.4210] {3.9 C	0.100 ng/mL [0.038]	Low [Low]	0.150 - 5.000	H04
AB30243	Anatoxin a ELISA (2 rep)	1.371 Abs	0.118 ng/mL	LOW	0.150 - 5.000	A05
AB30243	Anatoxin a ELISA (2 rep)	1.385 Abs [1.3780] {0.7 C	0.096 ng/mL [0.107] {14.5 CV}	Low [Low]	0.150 - 5.000	B05
AB30244	Anatoxin a ELISA (2 rep)	1.353 Abs	0.146 ng/mL	LOW	0.150 - 5.000	C05
AB30244	Anatoxin a ELISA (2 rep)	1.369 Abs [1.3610] {0.8 C	0.121 ng/mL [0.133] {13.2 CV}	Low [Low]	0.150 - 5.000	D05
AB30234	Anatoxin a ELISA (2 rep)	1.324 Abs	0.192 ng/mL		0.150 - 5.000	E05
AB30234	Anatoxin a ELISA (2 rep)	1.457 Abs [1.3905] {6.8 C	< 0.000 ng/mL [0.087]	Out(LR) [Low]	0.150 - 5.000	F05
AB30235	Anatoxin a ELISA (2 rep)	1.394 Abs	0.081 ng/mL	LOW	0.150 - 5.000	G05
AB30235	Anatoxin a ELISA (2 rep)	1.396 Abs [1.3950] {0.1 C	0.078 ng/mL [0.080] {2.7 CV}	Low [Low]	0.150 - 5.000	H05
20170808LB	Anatoxin a ELISA (2 rep)	1.446 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	A06
20170808LB	Anatoxin a ELISA (2 rep)	1.424 Abs [1.4350] {1.1 C	0.034 ng/mL [0.014]	Low [Low]	0.150 - 5.000	B06

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

8/10/2017

Date