



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26294	Potato Creek SP	7/18/2016	7/19/2016	< 0.150
AB26295	Chain O' Lakes SP	7/18/2016	7/19/2016	< 0.150
AB26295LD	Chain O' Lakes (Lab Duplicate)	7/18/2016	7/19/2016	< 0.150
AB26292	Potato Creek SP (Field Duplicate)	7/18/2016	7/19/2016	< 0.150
AB26293	Field Blank	7/18/2016	7/19/2016	< 0.150
20160719LB	Lab Blank	7/19/2016	7/19/2016	< 0.150



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

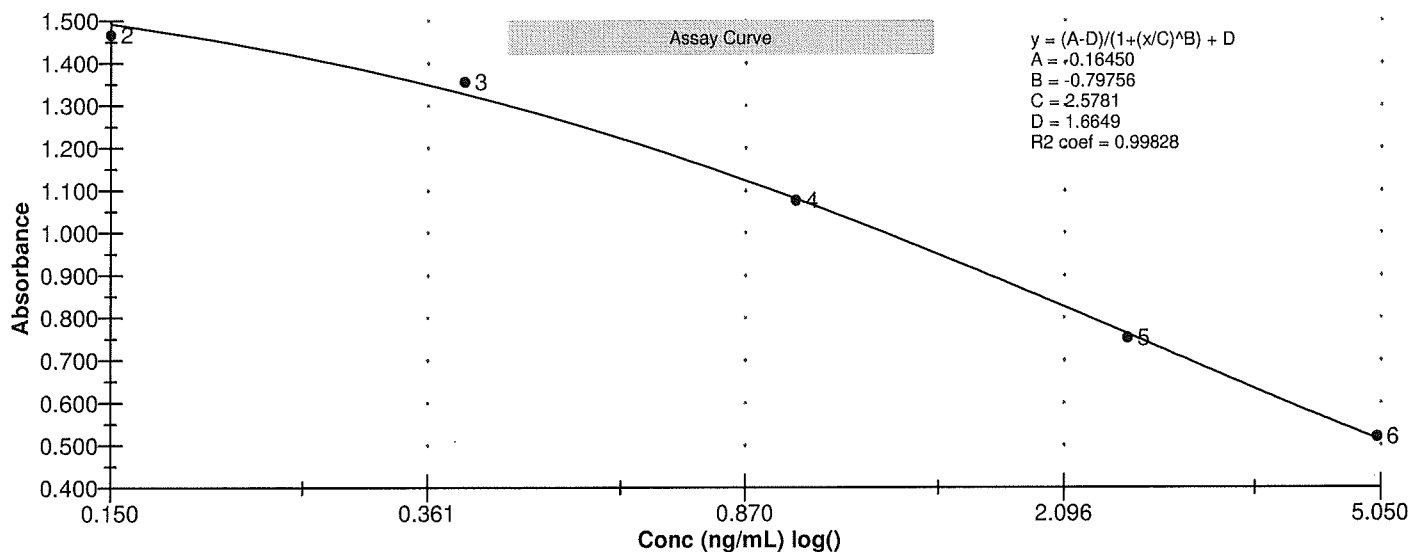
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/19/2016 11:49:13 AM			
Std1	1.736 Abs	< 0.000 ng/mL	A01
Std1	1.605 Abs	0.037 ng/mL	B01
Std2	1.467 Abs	0.183 ng/mL	D01
Std3	1.356 Abs	0.350 ng/mL	E01
Std4	1.100 Abs	0.938 ng/mL	G01
Std4	1.051 Abs	1.095 ng/mL	H01
Std5	0.727 Abs	2.748 ng/mL	A02
Std5	0.777 Abs	2.395 ng/mL	B02
Std6	0.497 Abs	> 5.000 ng/mL	C02
Std6	0.540 Abs	4.635 ng/mL	D02
7/19/2016 11:49:13 AM			
Normal Control	1.157 Abs	0.777 ng/mL	F02
Normal Control	1.073 Abs	1.023 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.671	0.093	5.55				
Std2	1.467			0.183			22.00
Std3	1.356			0.350			-12.50
Std4	1.076	0.035	3.22	1.016	0.111	10.92	1.60
Std5	0.752	0.035	4.70	2.571	0.250	9.71	2.84
Std6	0.519	0.030	5.86				-100.00
Normal Control	1.115	0.059	5.33	0.900	0.174	19.33	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/19/2016 11:49:13 AM						
Std1	Anatoxin a ELISA (2 rep)	1.736 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.605 Abs	0.039 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.467 Abs	0.207 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.356 Abs	0.386 ng/mL		0.400	E01
Std4	Anatoxin a ELISA (2 rep)	1.100 Abs	0.990 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	1.051 Abs	1.146 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.727 Abs	2.763 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.777 Abs	2.420 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.497 Abs	> 5.000 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.540 Abs	4.597 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	1.073 Abs	1.021 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.157 Abs	0.765 ng/mL			F02
AB26294	Anatoxin a ELISA (2 rep)	1.665 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G02
AB26294	Anatoxin a ELISA (2 rep)	1.672 Abs [1.6685] {0.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H02
AB26295	Anatoxin a ELISA (2 rep)	1.517 Abs	0.103 ng/mL	LOW	0.150 - 5.000	A03
AB26295	Anatoxin a ELISA (2 rep)	1.509 Abs [1.5130] {0.4 CV}	0.112 ng/mL [0.107] {5.9 CV}	Low [Low]	0.150 - 5.000	B03
AB26295LD	Anatoxin a ELISA (2 rep)	1.574 Abs	0.050 ng/mL	LOW	0.150 - 5.000	C03
AB26295LD	Anatoxin a ELISA (2 rep)	1.452 Abs [1.5130] {5.7 CV}	0.180 ng/mL [0.107] {79.9 CV}	[Low]	0.150 - 5.000	D03
AB26292	Anatoxin a ELISA (2 rep)	1.521 Abs	0.099 ng/mL	LOW	0.150 - 5.000	E03
AB26292	Anatoxin a ELISA (2 rep)	1.516 Abs [1.5185] {0.2 CV}	0.104 ng/mL [0.101] {3.5 CV}	Low [Low]	0.150 - 5.000	F03
AB26293	Anatoxin a ELISA (2 rep)	1.714 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G03
AB26293	Anatoxin a ELISA (2 rep)	1.674 Abs [1.6940] {1.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H03
20160719LB	Anatoxin a ELISA (2 rep)	1.513 Abs	0.107 ng/mL	LOW	0.150 - 5.000	A04
20160719LB	Anatoxin a ELISA (2 rep)	1.528 Abs [1.5205] {0.7 CV}	0.092 ng/mL [0.100] {10.7 CV}	Low [Low]	0.150 - 5.000	B04

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

7/19/2016

Date