



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB25969	Raccoon Lake SRA (Field Duplicate)	6/13/2016	6/14/2016	< 0.15
AB25970	Field Blank	6/13/2016	6/14/2016	< 0.15
AB25971	Raccoon Lake SRA	6/13/2016	6/14/2016	< 0.15
AB25972	Quakertown SRA	6/13/2016	6/14/2016	< 0.15
AB25972LD	Quakertown SRA (Lab Duplicate)	6/13/2016	6/14/2016	< 0.15
20160613LB	Lab Blank	6/13/2016	6/14/2016	< 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: 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

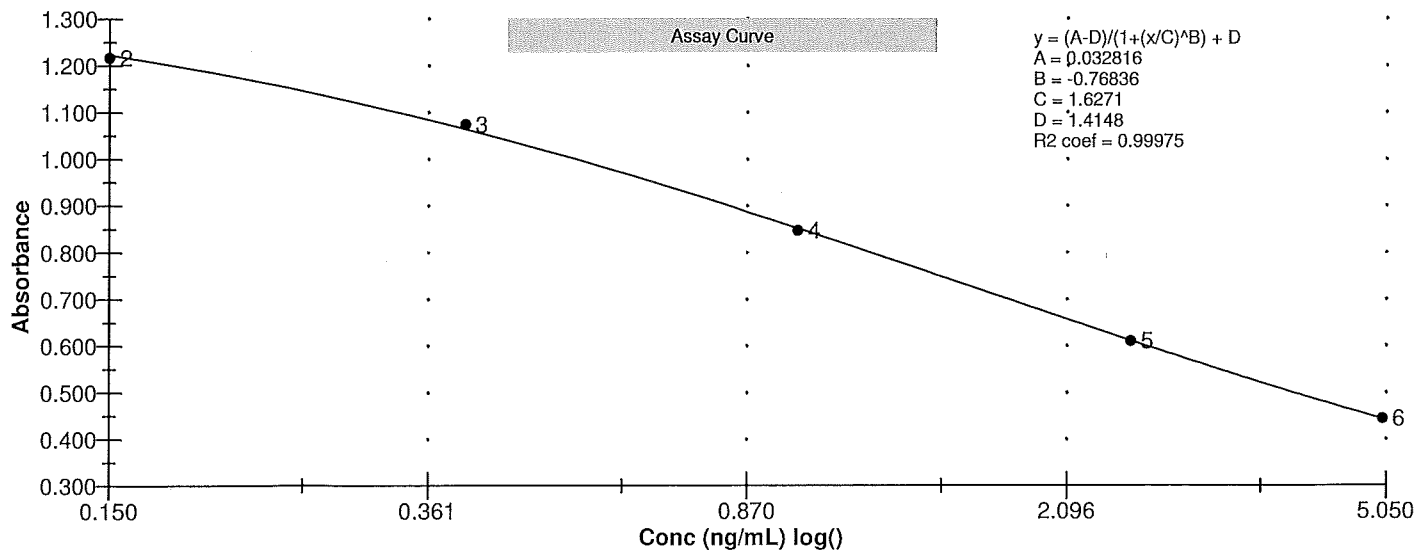
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
6/14/2016 2:17:45 PM			
Std1	1.443 Abs	< 0.000 ng/mL	A01
Std1	1.390 Abs	0.009 ng/mL	B01
Std2	1.227 Abs	0.147 ng/mL	C01
Std2	1.207 Abs	0.171 ng/mL	D01
Std3	1.050 Abs	0.428 ng/mL	E01
Std3	1.099 Abs	0.334 ng/mL	F01
Std4	0.841 Abs	1.042 ng/mL	G01
Std4	0.854 Abs	0.990 ng/mL	H01
Std5	0.623 Abs	2.385 ng/mL	A02
Std5	0.597 Abs	2.638 ng/mL	B02
Std6	0.448 Abs	4.890 ng/mL	C02
Std6	0.440 Abs	> 5.000 ng/mL	D02
6/14/2016 2:17:45 PM			
Normal Control	0.984 Abs	0.581 ng/mL	F02
Normal Control	0.960 Abs	0.644 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.416	0.037	2.65				
Std2	1.217	0.014	1.16	0.159	0.017	10.67	6.00
Std3	1.074	0.035	3.22	0.381	0.066	17.45	-4.75
Std4	0.847	0.009	1.08	1.016	0.037	3.62	1.60
Std5	0.610	0.018	3.01	2.511	0.179	7.12	0.44
Std6	0.444	0.006	1.27				-100.00
Normal Control	0.972	0.017	1.75	0.612	0.045	7.27	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/14/2016 2:17:45 PM						
Std1	Anatoxin a ELISA (2 rep)	1.443 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.390 Abs	0.009 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.227 Abs	0.147 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.207 Abs	0.171 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.050 Abs	0.428 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.099 Abs	0.334 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.841 Abs	1.042 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.854 Abs	0.990 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.623 Abs	2.385 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.597 Abs	2.638 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.448 Abs	4.890 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.440 Abs	> 5.000 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.960 Abs	0.644 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	0.984 Abs	0.581 ng/mL			F02
AB25969	Anatoxin a ELISA (2 rep)	1.391 Abs	0.008 ng/mL	LOW	0.150 - 5.000	G02
AB25969	Anatoxin a ELISA (2 rep)	1.423 Abs [1.4070] {1.6 C	< 0.000 ng/mL [0.002]	Out(LR) [Low]	0.150 - 5.000	H02
AB25970	Anatoxin a ELISA (2 rep)	1.387 Abs [0.8245] {96.5	0.010 ng/mL [1.110]	LOW	0.150 - 5.000	B03
AB25971	Anatoxin a ELISA (2 rep)	1.387 Abs	0.010 ng/mL	LOW	0.150 - 5.000	C03
AB25971	Anatoxin a ELISA (2 rep)	1.330 Abs [1.3585] {3.0 C	0.047 ng/mL [0.027] {91.8 CV}	Low [Low]	0.150 - 5.000	D03
AB25972	Anatoxin a ELISA (2 rep)	1.378 Abs	0.015 ng/mL	LOW	0.150 - 5.000	E03
AB25972	Anatoxin a ELISA (2 rep)	1.492 Abs [1.4350] {5.6 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	F03
AB25972LD	Anatoxin a ELISA (2 rep)	1.398 Abs	0.005 ng/mL	LOW	0.150 - 5.000	G03
AB25972LD	Anatoxin a ELISA (2 rep)	1.476 Abs [1.4370] {3.8 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.150 - 5.000	H03
20160613LB	Anatoxin a ELISA (2 rep)	1.406 Abs	0.002 ng/mL	LOW	0.150 - 5.000	A04
20160613LB	Anatoxin a ELISA (2 rep)	1.416 Abs [1.4110] {0.5 C	< 0.000 ng/mL [0.001]	Out(LR) [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.

Laboratory Analyst Signature

Date