



Anatoxin-A Receptor-Binding Assay Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB21783	Raccoon Lake SRA	5/26/2015	5/27/2015	<10
AB21781	Raccoon Lake SRA (Field Duplicate)	5/26/2015	5/27/2015	<10
AB21782	Field Blank	5/26/2015	5/27/2015	<10
20150526LB	Lab Blank	5/26/2015	5/27/2015	<10
AB21783LD	Raccoon Lake SRA (Lab Duplicate)	5/26/2015	5/27/2015	<10



Assay Calibration Report

Assay Information

Assay Name: ANATOXIN-A 1X Units: ng/mL
 Assay Mode: 4-Parameter Logistic # of decimals: 3
 Normal: 10.000 - 500.000 Assay Description:

Standards:

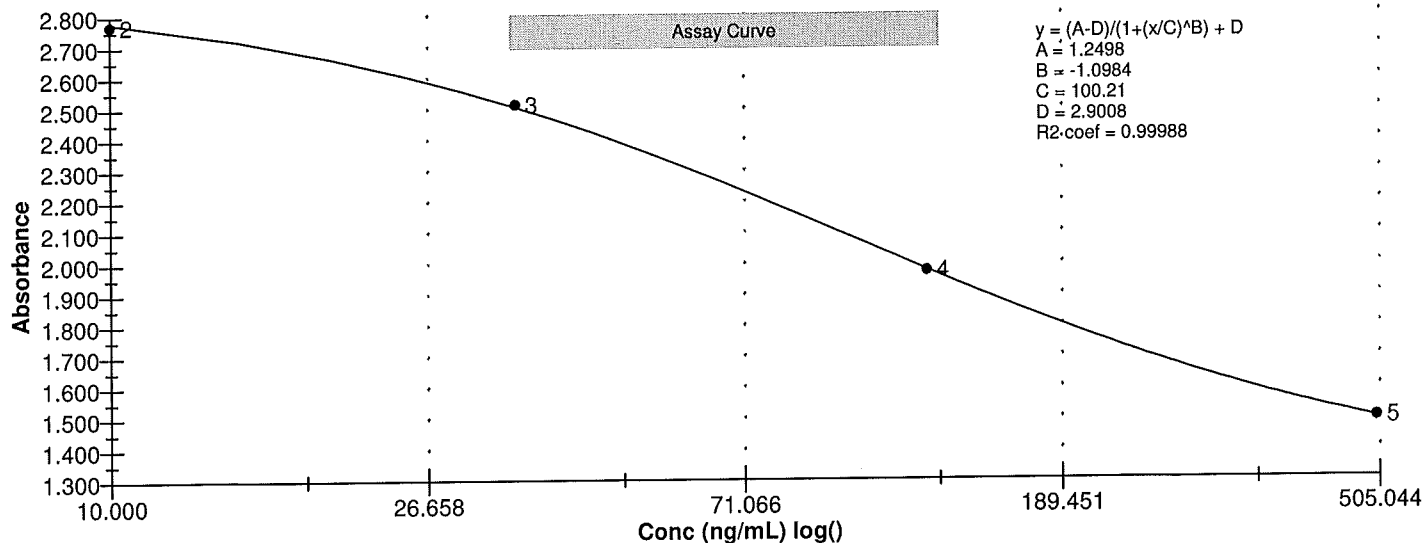
Std1, Concentration = 0.000, Minimum number to use: 3
 Std2, Concentration = 10.000, Minimum number to use: 3
 Std3, Concentration = 35.000, Minimum number to use: 3
 Std4, Concentration = 125.000, Minimum number to use: 3
 Std5, Concentration = 500.000, Minimum number to use: 3

Curve valid interval: 7 days 0 hours
 Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
5/27/2015 1:20:01 PM			
Std1	2.900 Abs	0.100 ng/mL	A01
Std1	2.883 Abs	1.635 ng/mL	B01
Std1	2.931 Abs	< 0.000 ng/mL	C01
Std2	2.752 Abs	12.210 ng/mL	D01
Std2	2.813 Abs	7.280 ng/mL	E01
Std2	2.746 Abs	12.700 ng/mL	F01
Std3	2.512 Abs	34.300 ng/mL	G01
Std3	2.563 Abs	29.105 ng/mL	H01
Std3	2.465 Abs	39.400 ng/mL	A02
Std4	1.906 Abs	146.350 ng/mL	B02
Std4	2.055 Abs	104.800 ng/mL	C02
Std4	1.954 Abs	131.200 ng/mL	D02
Std5	1.453 Abs	> 500.000 ng/mL	E02
Std5	1.497 Abs	487.000 ng/mL	F02
Std5	1.526 Abs	432.000 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.905	0.024	0.84				
Std2	2.770	0.037	1.34	10.730	2.998	27.94	7.30
Std3	2.513	0.049	1.95	34.268	5.148	15.02	-2.09
Std4	1.972	0.076	3.86	127.450	21.027	16.50	1.96
Std5	1.492	0.037	2.46				-100.00





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/27/2015 1:20:01 PM						
Std1	ANATOXIN-A 1X	2.900 Abs	0.100 ng/mL		0.000	A01
Std1	ANATOXIN-A 1X	2.883 Abs	1.635 ng/mL		0.000	B01
Std1	ANATOXIN-A 1X	2.931 Abs	< 0.000 ng/mL		0.000	C01
Std2	ANATOXIN-A 1X	2.752 Abs	12.210 ng/mL		10.000	D01
Std2	ANATOXIN-A 1X	2.813 Abs	7.280 ng/mL		10.000	E01
Std2	ANATOXIN-A 1X	2.746 Abs	12.700 ng/mL		10.000	F01
Std3	ANATOXIN-A 1X	2.512 Abs	34.300 ng/mL		35.000	G01
Std3	ANATOXIN-A 1X	2.563 Abs	29.105 ng/mL		35.000	H01
Std3	ANATOXIN-A 1X	2.465 Abs	39.400 ng/mL		35.000	A02
Std4	ANATOXIN-A 1X	1.906 Abs	146.350 ng/mL		125.000	B02
Std4	ANATOXIN-A 1X	2.055 Abs	104.800 ng/mL		125.000	C02
Std4	ANATOXIN-A 1X	1.954 Abs	131.200 ng/mL		125.000	D02
Std5	ANATOXIN-A 1X	1.453 Abs	> 500.000 ng/mL		500.000	E02
Std5	ANATOXIN-A 1X	1.497 Abs	487.000 ng/mL		500.000	F02
Std5	ANATOXIN-A 1X	1.526 Abs	432.000 ng/mL		500.000	G02
AB21783	ANATOXIN-A 1X	2.808 Abs	7.680 ng/mL	LOW	10.000 - 500.000	H02
AB21783	ANATOXIN-A 1X	2.897 Abs	0.400 ng/mL	LOW	10.000 - 500.000	A03
AB21783	ANATOXIN-A 1X	2.981 Abs [2.8953] {3.0 C	< 0.000 ng/mL [0.555] {127.4 C	Out(LR) [Low]	10.000 - 500.000	B03
AB21781	ANATOXIN-A 1X	2.944 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	C03
AB21781	ANATOXIN-A 1X	2.856 Abs	3.850 ng/mL	LOW	10.000 - 500.000	D03
AB21781	ANATOXIN-A 1X	2.771 Abs [2.8570] {3.0 C	10.655 ng/mL [3.770] {66.3 CV	[Low]	10.000 - 500.000	E03
AB21782	ANATOXIN-A 1X	2.847 Abs	4.570 ng/mL	LOW	10.000 - 500.000	F03
AB21782	ANATOXIN-A 1X	2.856 Abs	3.850 ng/mL	LOW	10.000 - 500.000	G03
AB21782	ANATOXIN-A 1X	2.909 Abs [2.8707] {1.2 C	< 0.000 ng/mL [2.655] {12.1 C\	Out(LR) [Low]	10.000 - 500.000	H03
20150526LB	ANATOXIN-A 1X	2.768 Abs	10.900 ng/mL		10.000 - 500.000	A04
20150526LB	ANATOXIN-A 1X	2.983 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	B04
20150526LB	ANATOXIN-A 1X	2.797 Abs [2.8493] {4.1 C	8.560 ng/mL [4.400] {17.0 CV}	Low [Low]	10.000 - 500.000	C04
AB21783LD	ANATOXIN-A 1X	2.742 Abs	13.030 ng/mL		10.000 - 500.000	D04
AB21783LD	ANATOXIN-A 1X	2.810 Abs	7.520 ng/mL	LOW	10.000 - 500.000	E04
AB21783LD	ANATOXIN-A 1X	2.901 Abs [2.8177] {2.8 C	< 0.000 ng/mL [6.905] {37.9 C\	Out(LR) [Low]	10.000 - 500.000	F04

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

5/27/15

Date