



## Anatoxin-A Receptor-Binding Assay Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB21786	Potato Creek State Park	6/1/2015	6/2/2015	<10
AB21784	Potato Creek State Park (Field Duplicate)	6/1/2015	6/2/2015	<10
AB21785	Field Blank	6/1/2015	6/2/2015	<10
20150601LB	Lab Blank	6/1/2015	6/2/2015	<10
AB21786LD	Potato Creek State Park (Lab Duplicate)	6/1/2015	6/2/2015	<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:

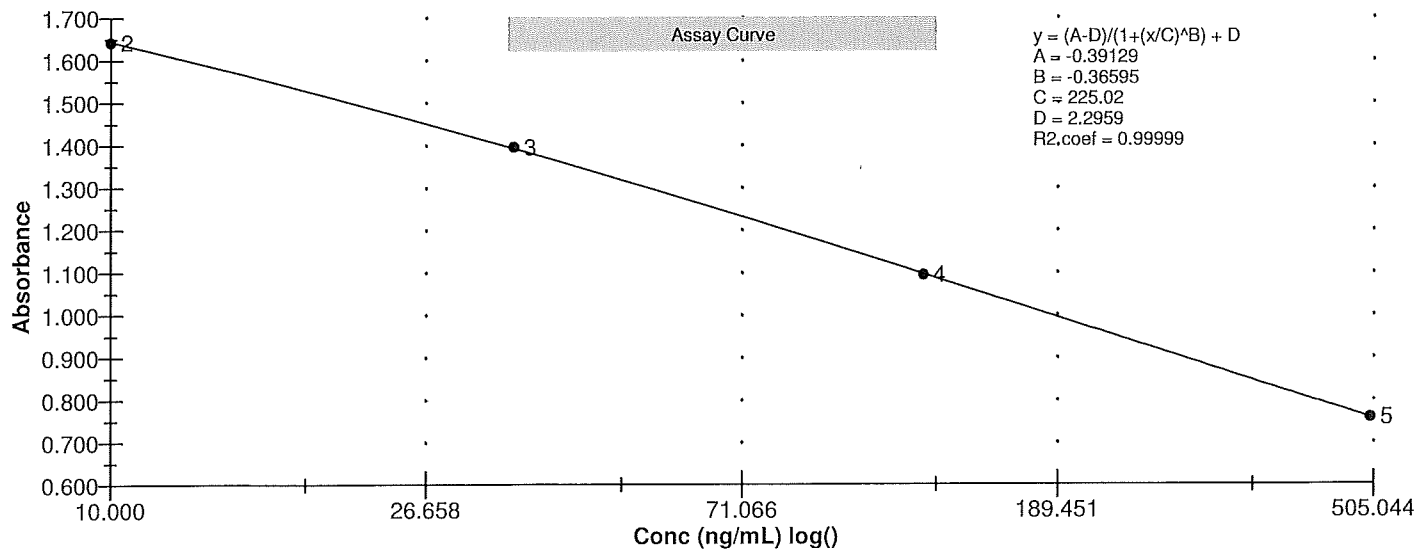
### Standards:

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
6/2/2015 4:39:27 PM			
Std1	2.272 Abs	0.001 ng/mL	A01
Std1	2.281 Abs	0.000 ng/mL	B01
Std1	2.336 Abs	< 0.000 ng/mL	C01
Std2	1.713 Abs	6.740 ng/mL	D01
Std2	1.548 Abs	16.650 ng/mL	E01
Std2	1.667 Abs	8.810 ng/mL	F01
Std3	1.380 Abs	37.100 ng/mL	G01
Std3	1.412 Abs	32.055 ng/mL	H01
Std4	1.194 Abs	83.300 ng/mL	B02
Std4	1.017 Abs	172.950 ng/mL	C02
Std4	1.071 Abs	138.700 ng/mL	D02
Std5	0.722 Abs	> 500.000 ng/mL	E02
Std5	0.732 Abs	> 500.000 ng/mL	F02
Std5	0.821 Abs	384.500 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.296	0.035	1.51				
Std2	1.643	0.085	5.18	10.733	5.227	48.70	7.33
Std3	1.396	0.023	1.62	34.577	3.567	10.32	-1.21
Std4	1.094	0.091	8.29	131.650	45.239	34.36	5.32
Std5	0.758	0.055	7.19				-100.00





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/2/2015 4:39:27 PM						
Std1	ANATOXIN-A 1X	2.272 Abs	0.000 ng/mL		0.000	A01
Std1	ANATOXIN-A 1X	2.281 Abs	0.000 ng/mL		0.000	B01
Std1	ANATOXIN-A 1X	2.336 Abs	< 0.000 ng/mL		0.000	C01
Std2	ANATOXIN-A 1X	1.713 Abs	7.880 ng/mL		10.000	D01
Std2	ANATOXIN-A 1X	1.548 Abs	20.355 ng/mL		10.000	E01
Std2	ANATOXIN-A 1X	1.667 Abs	10.475 ng/mL		10.000	F01
Std3	ANATOXIN-A 1X	1.380 Abs	45.850 ng/mL		35.000	G01
Std3	ANATOXIN-A 1X	1.412 Abs	39.615 ng/mL		35.000	H01
Std4	ANATOXIN-A 1X	1.194 Abs	100.400 ng/mL		125.000	B02
Std4	ANATOXIN-A 1X	1.017 Abs	196.500 ng/mL		125.000	C02
Std4	ANATOXIN-A 1X	1.071 Abs	161.000 ng/mL		125.000	D02
Std5	ANATOXIN-A 1X	0.722 Abs	> 500.000 ng/mL		500.000	E02
Std5	ANATOXIN-A 1X	0.732 Abs	> 500.000 ng/mL		500.000	F02
Std5	ANATOXIN-A 1X	0.821 Abs	391.000 ng/mL		500.000	G02
AB21786	ANATOXIN-A 1X	2.440 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	H02
AB21786	ANATOXIN-A 1X	2.453 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	A03
AB21786	ANATOXIN-A 1X	2.092 Abs [2.3283] {8.8 C	0.243 ng/mL [< 0.000] {93.1 C\	Low [Out(LR)]	10.000 - 500.000	B03
AB21784	ANATOXIN-A 1X	2.209 Abs	0.021 ng/mL	LOW	10.000 - 500.000	C03
AB21784	ANATOXIN-A 1X	2.076 Abs	0.305 ng/mL	LOW	10.000 - 500.000	D03
AB21784	ANATOXIN-A 1X	2.192 Abs [2.1590] {3.4 C	0.034 ng/mL [0.076] {133.6 CV	Low [Low]	10.000 - 500.000	E03
AB21785	ANATOXIN-A 1X	2.320 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	F03
AB21785	ANATOXIN-A 1X	2.584 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	G03
AB21785	ANATOXIN-A 1X	2.439 Abs [2.4477] {5.4 C	< 0.000 ng/mL [< 0.000] {133.6	Out(LR) [Out(LR)]	10.000 - 500.000	H03
20150601LB	ANATOXIN-A 1X	2.434 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	A04
20150601LB	ANATOXIN-A 1X	2.325 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	B04
20150601LB	ANATOXIN-A 1X	2.220 Abs [2.3263] {4.6 C	0.014 ng/mL [< 0.000] {133.6 C	Low [Out(LR)]	10.000 - 500.000	C04
AB21786LD	ANATOXIN-A 1X	1.967 Abs	1.035 ng/mL	LOW	10.000 - 500.000	D04
AB21786LD	ANATOXIN-A 1X	2.208 Abs	0.022 ng/mL	LOW	10.000 - 500.000	E04
AB21786LD	ANATOXIN-A 1X	2.014 Abs [2.0630] {6.2 C	0.643 ng/mL [0.361] {90.1 CV}	Low [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

*6/3/2015*

Date