



Anatoxin-A Receptor-Binding Assay Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22959	Mississinewa Lake Miami SRA	8/24/2015	8/26/2015	< 10.0
AB22960	Potato Creek	8/24/2015	8/26/2015	< 10.0
AB22961	Chain O' Lake SP	8/24/2015	8/26/2015	< 10.0
AB22962	Lost Bridge West SRA	8/24/2015	8/26/2015	< 10.0
AB22963	Potato Creek (Field Duplicate)	8/24/2015	8/26/2015	16.175
AB22964	Field Blank	8/24/2015	8/26/2015	< 10.0
AB22961LD	Chain O' Lake (Lab Duplicate)	8/24/2015	8/26/2015	18.110
20150824LB	Lab Blank	8/24/2015	8/26/2015	< 10.0



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/26/2015 2:19:18 PM						
Std1	ANATOXIN-A 1X	1.925 Abs	< 0.000 ng/mL		0.000	B01
Std1	ANATOXIN-A 1X	1.873 Abs	< 0.000 ng/mL		0.000	C01
Std2	ANATOXIN-A 1X	1.436 Abs	14.030 ng/mL		10.000	E01
Std2	ANATOXIN-A 1X	1.433 Abs	14.210 ng/mL		10.000	F01
Std3	ANATOXIN-A 1X	1.264 Abs	27.360 ng/mL		35.000	G01
Std3	ANATOXIN-A 1X	1.217 Abs	32.400 ng/mL		35.000	A02
Std4	ANATOXIN-A 1X	0.773 Abs	176.650 ng/mL		125.000	B02
Std4	ANATOXIN-A 1X	0.861 Abs	119.500 ng/mL		125.000	C02
Std5	ANATOXIN-A 1X	0.607 Abs	484.000 ng/mL		500.000	E02
Std5	ANATOXIN-A 1X	0.626 Abs	417.500 ng/mL		500.000	F02
AB22959	ANATOXIN-A 1X	1.886 Abs	0.014 ng/mL	LOW	10.000 - 500.000	H02
AB22959	ANATOXIN-A 1X	1.806 Abs	0.565 ng/mL	LOW	10.000 - 500.000	A03
AB22959	ANATOXIN-A 1X	1.696 Abs [1.7960] {5.3 C	2.255 ng/mL [0.675] {123.6 CV	Low [Low]	10.000 - 500.000	B03
AB22960	ANATOXIN-A 1X	1.707 Abs	2.035 ng/mL	LOW	10.000 - 500.000	C03
AB22960	ANATOXIN-A 1X	1.637 Abs	3.625 ng/mL	LOW	10.000 - 500.000	D03
AB22960	ANATOXIN-A 1X	1.608 Abs [1.6507] {3.1 C	4.435 ng/mL [3.275] {36.3 CV	Low [Low]	10.000 - 500.000	E03
AB22961	ANATOXIN-A 1X	1.632 Abs	3.760 ng/mL	LOW	10.000 - 500.000	F03
AB22961	ANATOXIN-A 1X	1.485 Abs	9.080 ng/mL	LOW	10.000 - 500.000	G03
AB22961	ANATOXIN-A 1X	1.613 Abs [1.5767] {5.1 C	4.290 ng/mL [5.425] {51.3 CV	Low [Low]	10.000 - 500.000	H03
AB22962	ANATOXIN-A 1X	1.699 Abs	2.195 ng/mL	LOW	10.000 - 500.000	A04
AB22962	ANATOXIN-A 1X	1.520 Abs	7.535 ng/mL	LOW	10.000 - 500.000	B04
AB22962	ANATOXIN-A 1X	1.482 Abs [1.5670] {7.4 C	9.220 ng/mL [5.755] {58.1 CV	Low [Low]	10.000 - 500.000	C04
AB22963	ANATOXIN-A 1X	1.342 Abs	17.800 ng/mL		10.000 - 500.000	D04
AB22963	ANATOXIN-A 1X	1.391 Abs	14.305 ng/mL		10.000 - 500.000	E04
AB22963	ANATOXIN-A 1X	1.358 Abs [1.3637] {1.8 C	16.600 ng/mL [16.175] {10.9 C		10.000 - 500.000	F04
AB22964	ANATOXIN-A 1X	1.378 Abs	15.175 ng/mL		10.000 - 500.000	G04
AB22964	ANATOXIN-A 1X	1.426 Abs	12.155 ng/mL		10.000 - 500.000	H04
AB22964	ANATOXIN-A 1X	1.632 Abs [1.4787] {9.1 C	3.760 ng/mL [9.375] {57.1 CV	Low [Low]	10.000 - 500.000	A05
20150824LB	ANATOXIN-A 1X	1.638 Abs	3.600 ng/mL	LOW	10.000 - 500.000	B05
20150824LB	ANATOXIN-A 1X	1.461 Abs	10.250 ng/mL		10.000 - 500.000	C05
20150824LB	ANATOXIN-A 1X	1.480 Abs [1.5263] {6.4 C	9.315 ng/mL [7.280] {46.6 CV	Low [Low]	10.000 - 500.000	D05
AB22961LD	ANATOXIN-A 1X	1.395 Abs	14.050 ng/mL		10.000 - 500.000	E05
AB22961LD	ANATOXIN-A 1X	1.346 Abs	17.500 ng/mL		10.000 - 500.000	F05
AB22961LD	ANATOXIN-A 1X	1.273 Abs [1.3380] {4.6 C	23.865 ng/mL [18.110] {27.0 C		10.000 - 500.000	G05
Wabash	ANATOXIN-A 1X	1.546 Abs	6.510 ng/mL	LOW	10.000 - 500.000	H05
Wabash	ANATOXIN-A 1X	1.928 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	A06
Wabash	ANATOXIN-A 1X	1.512 Abs [1.6620] {13.9	7.870 ng/mL [3.000] {13.4 CV	Low [Low]	10.000 - 500.000	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

8/27/15

Date



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
8/26/2015 2:19:18 PM			
Std1	1.925 Abs	< 0.000 ng/mL	B01
Std1	1.873 Abs	0.058 ng/mL	C01
Std2	1.436 Abs	11.585 ng/mL	E01
Std2	1.433 Abs	11.755 ng/mL	F01
Std3	1.264 Abs	24.770 ng/mL	G01
Std3	1.217 Abs	30.020 ng/mL	A02
Std4	0.773 Abs	191.400 ng/mL	B02
Std4	0.861 Abs	127.850 ng/mL	C02
Std5	0.607 Abs	481.000 ng/mL	E02
Std5	0.626 Abs	425.500 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.899	0.037	1.94				
Std2	1.434	0.002	0.15	11.670	0.120	1.03	16.70
Std3	1.240	0.033	2.68	27.395	3.712	13.55	-21.73
Std4	0.817	0.062	7.62	159.625	44.937	28.15	27.70
Std5	0.617	0.013	2.18	453.250	39.244	8.66	-9.35

