



Anatoxin-A Receptor-Binding Assay Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22175	Potato Creek	6/29/2015	6/30/2015	<10
AB22176	Potato Creek (Field Duplicate)	6/29/2015	6/30/2015	<10
AB22177	Field Blank	6/29/2015	6/30/2015	<10
20150629LB	Lab Blank	6/29/2015	6/30/2015	<10
AB22175LD	Potato Creek (Lab Duplicate)	6/29/2015	6/30/2015	<10



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/30/2015 2:43:01 PM						
Std1	ANATOXIN-A 1X	2.045 Abs	< 0.000 ng/mL		0.000	A01
Std1	ANATOXIN-A 1X	1.959 Abs	< 0.000 ng/mL		0.000	B01
Std1	ANATOXIN-A 1X	1.849 Abs	0.027 ng/mL		0.000	C01
Std2	ANATOXIN-A 1X	1.449 Abs	9.980 ng/mL		10.000	D01
Std2	ANATOXIN-A 1X	1.456 Abs	9.450 ng/mL		10.000	E01
Std2	ANATOXIN-A 1X	1.371 Abs	17.600 ng/mL		10.000	F01
Std3	ANATOXIN-A 1X	1.265 Abs	34.500 ng/mL		35.000	G01
Std3	ANATOXIN-A 1X	1.302 Abs	27.555 ng/mL		35.000	H01
Std3	ANATOXIN-A 1X	1.363 Abs	18.600 ng/mL		35.000	A02
Std4	ANATOXIN-A 1X	0.975 Abs	150.500 ng/mL		125.000	B02
Std4	ANATOXIN-A 1X	0.987 Abs	142.750 ng/mL		125.000	C02
Std4	ANATOXIN-A 1X	0.994 Abs	138.350 ng/mL		125.000	D02
Std5	ANATOXIN-A 1X	0.684 Abs	484.500 ng/mL		500.000	E02
Std5	ANATOXIN-A 1X	0.676 Abs	499.000 ng/mL		500.000	F02
Std5	ANATOXIN-A 1X	0.687 Abs	479.000 ng/mL		500.000	G02
AB22175	ANATOXIN-A 1X	2.131 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	H02
AB22175	ANATOXIN-A 1X	2.030 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	A03
AB22175	ANATOXIN-A 1X	2.019 Abs [2.0600] {3.0 C	< 0.000 ng/mL [< 0.000] {126.9	Out(LR) [Out(LR)]	10.000 - 500.000	B03
AB22176	ANATOXIN-A 1X	1.992 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	C03
AB22176	ANATOXIN-A 1X	1.944 Abs	0.000 ng/mL	LOW	10.000 - 500.000	D03
AB22176	ANATOXIN-A 1X	1.929 Abs [1.9550] {1.7 C	0.000 ng/mL [< 0.000] {126.9 C	Low [Out(LR)]	10.000 - 500.000	E03
AB22177	ANATOXIN-A 1X	1.809 Abs	0.090 ng/mL	LOW	10.000 - 500.000	F03
AB22177	ANATOXIN-A 1X	1.918 Abs	0.000 ng/mL	LOW	10.000 - 500.000	G03
AB22177	ANATOXIN-A 1X	2.152 Abs [1.9597] {8.9 C	< 0.000 ng/mL [< 0.000] {141.4	Out(LR) [Out(LR)]	10.000 - 500.000	H03
20150629LB	ANATOXIN-A 1X	1.711 Abs	0.613 ng/mL	LOW	10.000 - 500.000	A04
20150629LB	ANATOXIN-A 1X	1.808 Abs	0.092 ng/mL	LOW	10.000 - 500.000	B04
20150629LB	ANATOXIN-A 1X	1.720 Abs [1.7463] {3.1 C	0.533 ng/mL [0.342] {68.0 CV}	Low [Low]	10.000 - 500.000	C04
AB22175LD	ANATOXIN-A 1X	1.890 Abs	0.004 ng/mL	LOW	10.000 - 500.000	D04
AB22175LD	ANATOXIN-A 1X	1.696 Abs	0.768 ng/mL	LOW	10.000 - 500.000	E04
AB22175LD	ANATOXIN-A 1X	1.575 Abs [1.7203] {9.2 C	3.285 ng/mL [0.530] {126.9 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

7/1/2015

Date



Assay Calibration Report

Assay Information

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

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Std3	1.302 Abs	27.555 ng/mL	H01
Std3	1.363 Abs	18.600 ng/mL	A02
Std4	0.975 Abs	150.500 ng/mL	B02
Std4	0.987 Abs	142.750 ng/mL	C02
Std4	0.994 Abs	138.350 ng/mL	D02
Std5	0.684 Abs	484.500 ng/mL	E02
Std5	0.676 Abs	499.000 ng/mL	F02
Std5	0.687 Abs	479.000 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.951	0.098	5.04				
Std2	1.425	0.047	3.31	12.343	4.560	36.94	23.43
Std3	1.310	0.049	3.78	26.885	7.971	29.65	-23.19
Std4	0.985	0.010	0.98	143.867	6.151	4.28	15.09
Std5	0.682	0.006	0.83	487.500	10.332	2.12	-2.50

