



Anatoxin-A Receptor-Binding Assay Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22618	Potato Creek	7/27/2015	7/29/2015	<10
AB22616	Potato Creek (Field Duplicate)	7/27/2015	7/29/2015	<10
AB22617	Field Blank	7/27/2015	7/29/2015	<10
AB22618LD	Potato Creek (Lab Duplicate)	7/27/2015	7/29/2015	<10
20150727LB	Lab Blank	7/27/2015	7/29/2015	<10



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/29/2015 3:16:52 PM						
Std1	ANATOXIN-A 1X	2.252 Abs	< 0.000 ng/mL		0.000	A01
Std1	ANATOXIN-A 1X	2.101 Abs	< 0.000 ng/mL		0.000	B01
Std1	ANATOXIN-A 1X	1.910 Abs	1.740 ng/mL		0.000	C01
Std2	ANATOXIN-A 1X	1.658 Abs	8.595 ng/mL		10.000	D01
Std2	ANATOXIN-A 1X	1.586 Abs	11.750 ng/mL		10.000	E01
Std3	ANATOXIN-A 1X	1.405 Abs	23.280 ng/mL		35.000	G01
Std3	ANATOXIN-A 1X	1.290 Abs	34.510 ng/mL		35.000	A02
Std4	ANATOXIN-A 1X	0.872 Abs	145.150 ng/mL		125.000	C02
Std4	ANATOXIN-A 1X	0.842 Abs	162.950 ng/mL		125.000	D02
Std5	ANATOXIN-A 1X	0.642 Abs	402.500 ng/mL		500.000	E02
Std5	ANATOXIN-A 1X	0.616 Abs	465.000 ng/mL		500.000	F02
Std5	ANATOXIN-A 1X	0.651 Abs	383.500 ng/mL		500.000	G02
AB22618	ANATOXIN-A 1X	2.032 Abs	0.425 ng/mL	LOW	10.000 - 500.000	H02
AB22618	ANATOXIN-A 1X	1.900 Abs	2.570 ng/mL	LOW	10.000 - 500.000	A03
AB22618	ANATOXIN-A 1X	1.909 Abs [1.9470] {3.8 C	2.389 ng/mL [1.670] {66.3 CV}	Low [Low]	10.000 - 500.000	B03
AB22616	ANATOXIN-A 1X	1.807 Abs	4.805 ng/mL	LOW	10.000 - 500.000	C03
AB22616	ANATOXIN-A 1X	1.832 Abs	4.145 ng/mL	LOW	10.000 - 500.000	D03
AB22616	ANATOXIN-A 1X	1.999 Abs [1.8793] {5.6 C	0.845 ng/mL [3.015] {65.0 CV}	Low [Low]	10.000 - 500.000	E03
AB22617	ANATOXIN-A 1X	1.858 Abs	3.505 ng/mL	LOW	10.000 - 500.000	F03
AB22617	ANATOXIN-A 1X	1.854 Abs	3.600 ng/mL	LOW	10.000 - 500.000	G03
AB22617	ANATOXIN-A 1X	2.147 Abs [1.9530] {8.6 C	< 0.000 ng/mL [1.565] {1.9 CV}	Out(LR) [Low]	10.000 - 500.000	H03
AB22618LD	ANATOXIN-A 1X	2.331 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	A04
AB22618LD	ANATOXIN-A 1X	2.130 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	B04
AB22618LD	ANATOXIN-A 1X	2.138 Abs [2.1997] {5.2 C	< 0.000 ng/mL [< 0.000] {1.9 C	Out(LR) [Out(LR)]	10.000 - 500.000	C04
20150727LB	ANATOXIN-A 1X	2.137 Abs	< 0.000 ng/mL	Out(LR)	10.000 - 500.000	D04
20150727LB	ANATOXIN-A 1X	2.010 Abs	0.697 ng/mL	LOW	10.000 - 500.000	E04
20150727LB	ANATOXIN-A 1X	1.964 Abs [2.0370] {4.4 C	1.380 ng/mL [0.370] {46.5 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

7/30/2015

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
7/29/2015 3:16:52 PM			
Std1	2.252 Abs	< 0.000 ng/mL	A01
Std1	2.101 Abs	< 0.000 ng/mL	B01
Std1	1.910 Abs	2.369 ng/mL	C01
Std2	1.658 Abs	9.815 ng/mL	D01
Std2	1.586 Abs	13.030 ng/mL	E01
Std3	1.405 Abs	24.355 ng/mL	G01
Std3	1.290 Abs	35.105 ng/mL	A02
Std4	0.872 Abs	141.200 ng/mL	C02
Std4	0.842 Abs	159.000 ng/mL	D02
Std5	0.642 Abs	429.500 ng/mL	E02
Std5	0.616 Abs	> 500.000 ng/mL	F02
Std5	0.651 Abs	405.500 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.088	0.171	8.21				
Std2	1.622	0.051	3.14	11.422	2.273	19.90	14.22
Std3	1.347	0.081	6.03	29.730	7.601	25.57	-15.06
Std4	0.857	0.021	2.48	150.100	12.587	8.39	20.08
Std5	0.636	0.018	2.86				-100.00

