



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB25353	Mississinewa Miami SRA	6/6/2016	6/8/2016	< 0.150
AB25354	Potato Creek SP	6/6/2016	6/8/2016	< 0.150
AB25355	Pokagon SP	6/7/2016	6/8/2016	< 0.150
AB25356	Chain O'Lakes SP	6/7/2016	6/8/2016	< 0.150
AB25357	Lincoln SP	6/5/2016	6/8/2016	< 0.150
AB25357LD	Lincoln (Lab Duplicate)	6/5/2016	6/8/2016	< 0.150
AB25358	Ferdinand SP	6/6/2016	6/8/2016	< 0.150
AB25359	Lost Bridge West SRA	6/7/2016	6/8/2016	< 0.150
AB25360	Field Blank	6/7/2016	6/8/2016	< 0.150
AB25361	Pokagon (Field Duplicate)	6/7/2016	6/8/2016	< 0.150
20160606LB	Lab Blank	6/6/2016	6/8/2016	< 0.150



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/8/2016 5:08:58 PM						
Std1	Anatoxin a ELISA (2 rep)	1.594 Abs	0.047 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.739 Abs	< 0.000 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.484 Abs	0.127 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.491 Abs	0.122 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.197 Abs	0.449 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.210 Abs	0.430 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.904 Abs	1.115 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.955 Abs	0.956 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.685 Abs	2.273 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.706 Abs	2.109 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.489 Abs	> 5.000 ng/mL		5.000	C02
Normal Control	Anatoxin a ELISA (2 rep)	1.099 Abs	0.616 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.146 Abs	0.531 ng/mL			F02
AB25353	Anatoxin a ELISA (2 rep)	1.502 Abs	0.113 ng/mL	LOW	0.150 - 5.000	G02
AB25353	Anatoxin a ELISA (2 rep)	1.489 Abs [1.4955] {0.6 C	0.123 ng/mL [0.118] {6.0 CV}	Low [Low]	0.150 - 5.000	H02
AB25354	Anatoxin a ELISA (2 rep)	1.386 Abs	0.216 ng/mL		0.150 - 5.000	A03
AB25354	Anatoxin a ELISA (2 rep)	1.554 Abs [1.4700] {8.1 C	0.074 ng/mL [0.139] {69.2 CV}	Low [Low]	0.150 - 5.000	B03
AB25355	Anatoxin a ELISA (2 rep)	1.580 Abs	0.056 ng/mL	LOW	0.150 - 5.000	C03
AB25355	Anatoxin a ELISA (2 rep)	1.524 Abs [1.5520] {2.6 C	0.096 ng/mL [0.075] {37.2 CV}	Low [Low]	0.150 - 5.000	D03
AB25356	Anatoxin a ELISA (2 rep)	1.398 Abs	0.204 ng/mL		0.150 - 5.000	E03
AB25356	Anatoxin a ELISA (2 rep)	1.609 Abs [1.5035] {9.9 C	0.037 ng/mL [0.112] {98.0 CV}	Low [Low]	0.150 - 5.000	F03
AB25357	Anatoxin a ELISA (2 rep)	1.542 Abs	0.082 ng/mL	LOW	0.150 - 5.000	G03
AB25357	Anatoxin a ELISA (2 rep)	1.706 Abs [1.6240] {7.1 C	< 0.000 ng/mL [0.028]	Out(LR) [Low]	0.150 - 5.000	H03
AB25357LD	Anatoxin a ELISA (2 rep)	1.440 Abs	0.165 ng/mL		0.150 - 5.000	A04
AB25357LD	Anatoxin a ELISA (2 rep)	1.548 Abs [1.4940] {5.1 C	0.078 ng/mL [0.119] {50.6 CV}	Low [Low]	0.150 - 5.000	B04
AB25358	Anatoxin a ELISA (2 rep)	1.486 Abs	0.125 ng/mL	LOW	0.150 - 5.000	C04
AB25358	Anatoxin a ELISA (2 rep)	1.545 Abs [1.5155] {2.8 C	0.080 ng/mL [0.102] {31.0 CV}	Low [Low]	0.150 - 5.000	D04
AB25359	Anatoxin a ELISA (2 rep)	1.612 Abs	0.035 ng/mL	LOW	0.150 - 5.000	E04
AB25359	Anatoxin a ELISA (2 rep)	1.606 Abs [1.6090] {0.3 C	0.039 ng/mL [0.037] {7.6 CV}	Low [Low]	0.150 - 5.000	F04
AB25360	Anatoxin a ELISA (2 rep)	1.684 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G04
AB25360	Anatoxin a ELISA (2 rep)	1.667 Abs [1.6755] {0.7 C	0.004 ng/mL [< 0.000]	Low [Out(LR)]	0.150 - 5.000	H04
AB25361	Anatoxin a ELISA (2 rep)	1.568 Abs	0.064 ng/mL	LOW	0.150 - 5.000	A05
AB25361	Anatoxin a ELISA (2 rep)	1.498 Abs [1.5330] {3.2 C	0.116 ng/mL [0.089] {40.9 CV}	Low [Low]	0.150 - 5.000	B05
20160606LB	Anatoxin a ELISA (2 rep)	1.462 Abs	0.146 ng/mL	LOW	0.150 - 5.000	C05
20160606LB	Anatoxin a ELISA (2 rep)	1.574 Abs [1.5180] {5.2 C	0.060 ng/mL [0.100] {59.0 CV}	Low [Low]	0.150 - 5.000	D05

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

6/9/2016

Date



Assay Calibration Report

Assay Information

Assay Name: Anatoxin a ELISA (2 rep) Units: ng/mL
Assay Mode: 4-Parameter Logistic # of decimals: 3
Normal: 0.150 - 5.000 Assay Description: ELISA

Controls:

Normal Control

Standards:

Std1, Concentration = 0.000, Minimum number to use: 2
Std2, Concentration = 0.150, Minimum number to use: 2
Std3, Concentration = 0.400, Minimum number to use: 2
Std4, Concentration = 1.000, Minimum number to use: 2
Std5, Concentration = 2.500, Minimum number to use: 2
Std6, Concentration = 5.000, Minimum number to use: 2

Curve valid interval: 7 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
6/8/2016 5:08:58 PM			
Std1	1.594 Abs	0.047 ng/mL	A01
Std1	1.739 Abs	< 0.000 ng/mL	B01
Std2	1.484 Abs	0.128 ng/mL	C01
Std2	1.491 Abs	0.123 ng/mL	D01
Std3	1.197 Abs	0.448 ng/mL	E01
Std3	1.210 Abs	0.428 ng/mL	F01
Std4	0.904 Abs	1.110 ng/mL	G01
Std4	0.955 Abs	0.951 ng/mL	H01
Std5	0.685 Abs	2.284 ng/mL	A02
Std5	0.706 Abs	2.116 ng/mL	B02
Std6	0.489 Abs	> 5.000 ng/mL	C02
6/8/2016 5:08:58 PM			
Normal Control	1.146 Abs	0.529 ng/mL	F02
Normal Control	1.099 Abs	0.613 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.666	0.103	6.15				
Std2	1.487	0.005	0.33	0.126	0.004	2.82	-16.00
Std3	1.204	0.009	0.76	0.438	0.014	3.23	9.50
Std4	0.929	0.036	3.88	1.030	0.112	10.91	3.00
Std5	0.696	0.015	2.14	2.200	0.119	5.40	-12.00
Std6	0.489						-100.00
Normal Control	1.122	0.033	2.96	0.571	0.059	10.40	

