



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB25335	Mississinewa Miami SRA	5/23/2016	5/25/2016	0.2045
AB25336	Potato Creek SP	5/23/2016	5/25/2016	< 0.150
AB25337	Pokagon SP	5/24/2016	5/25/2016	0.1775
AB25338	Chain O'Lakes SP	5/24/2016	5/25/2016	0.2885
AB25339	Lost Bridge West SRA	5/24/2016	5/25/2016	0.2687
AB25333	Potato Creek (Field Duplicate)	5/23/2016	5/25/2016	< 0.150
AB25334	Field Blank	5/23/2016	5/25/2016	0.1610
AB25335LD	Mississinewa (Lab Duplicate)	5/23/2016	5/25/2016	0.1521
20160523LB	Lab Blank	5/23/2016	5/25/2016	0.1502



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/25/2016 1:58:08 PM						
Std1	Anatoxin a ELISA 1X	1.465 Abs	0.1250 ng/mL		0.0000	C01
Std2	Anatoxin a ELISA 1X	1.440 Abs	0.1495 ng/mL		0.1500	E01
Std3	Anatoxin a ELISA 1X	1.208 Abs	0.3851 ng/mL		0.4000	G01
Std3	Anatoxin a ELISA 1X	1.104 Abs	0.5141 ng/mL		0.4000	A02
Std4	Anatoxin a ELISA 1X	0.885 Abs	0.9115 ng/mL		1.0000	B02
Std4	Anatoxin a ELISA 1X	0.805 Abs	1.1445 ng/mL		1.0000	C02
Std4	Anatoxin a ELISA 1X	0.852 Abs	0.9985 ng/mL		1.0000	D02
Std5	Anatoxin a ELISA 1X	0.592 Abs	2.7150 ng/mL		2.5000	E02
Std5	Anatoxin a ELISA 1X	0.673 Abs	1.8100 ng/mL		2.5000	F02
Std5	Anatoxin a ELISA 1X	0.637 Abs	2.1250 ng/mL		2.5000	G02
Std6	Anatoxin a ELISA 1X	0.481 Abs	> 5.0000 ng/mL		5.0000	A03
Normal Control	Anatoxin a ELISA 1X	1.023 Abs	0.6330 ng/mL			C03
Normal Control	Anatoxin a ELISA 1X	1.024 Abs	0.6315 ng/mL			D03
Normal Control	Anatoxin a ELISA 1X	0.986 Abs	0.6985 ng/mL			E03
AB25335	Anatoxin a ELISA 1X	1.471 Abs	0.0451 ng/mL	LOW	0.1500 - 5.0000	F03
AB25335	Anatoxin a ELISA 1X	1.269 Abs	0.2960 ng/mL		0.1500 - 5.0000	G03
AB25335	Anatoxin a ELISA 1X	1.304 Abs [1.3480] [8.0 C	0.2551 ng/mL [0.2045] [67.7 C'		0.1500 - 5.0000	H03
AB25335LD	Anatoxin a ELISA 1X	1.385 Abs	0.1615 ng/mL		0.1500 - 5.0000	A04
AB25335LD	Anatoxin a ELISA 1X	1.411 Abs	0.1300 ng/mL	LOW	0.1500 - 5.0000	B04
AB25335LD	Anatoxin a ELISA 1X	1.382 Abs [1.3927] [1.1 C	0.1650 ng/mL [0.1521] [12.7 C'		0.1500 - 5.0000	C04
AB25336	Anatoxin a ELISA 1X	1.434 Abs	0.1005 ng/mL	LOW	0.1500 - 5.0000	D04
AB25336	Anatoxin a ELISA 1X	1.418 Abs	0.1211 ng/mL	LOW	0.1500 - 5.0000	E04
AB25336	Anatoxin a ELISA 1X	1.417 Abs [1.4230] [0.7 C	0.1225 ng/mL [0.1147] [10.7 C'	Low [Low]	0.1500 - 5.0000	F04
AB25337	Anatoxin a ELISA 1X	1.470 Abs	0.0470 ng/mL	LOW	0.1500 - 5.0000	G04
AB25337	Anatoxin a ELISA 1X	1.381 Abs	0.1661 ng/mL		0.1500 - 5.0000	H04
AB25337	Anatoxin a ELISA 1X	1.263 Abs [1.3713] [7.6 C	0.3030 ng/mL [0.1775] [74.5 C'		0.1500 - 5.0000	A05
AB25338	Anatoxin a ELISA 1X	1.279 Abs	0.2842 ng/mL		0.1500 - 5.0000	B05
AB25338	Anatoxin a ELISA 1X	1.317 Abs	0.2402 ng/mL		0.1500 - 5.0000	C05
AB25338	Anatoxin a ELISA 1X	1.230 Abs [1.2753] [3.4 C	0.3422 ng/mL [0.2885] [17.7 C'		0.1500 - 5.0000	D05
AB25339	Anatoxin a ELISA 1X	1.257 Abs	0.3100 ng/mL		0.1500 - 5.0000	E05
AB25339	Anatoxin a ELISA 1X	1.345 Abs	0.2080 ng/mL		0.1500 - 5.0000	F05
AB25339	Anatoxin a ELISA 1X	1.275 Abs [1.2923] [3.6 C	0.2890 ng/mL [0.2687] [20.0 C'		0.1500 - 5.0000	G05
AB25333	Anatoxin a ELISA 1X	1.449 Abs	0.0797 ng/mL	LOW	0.1500 - 5.0000	H05
AB25333	Anatoxin a ELISA 1X	1.380 Abs	0.1672 ng/mL		0.1500 - 5.0000	A06
AB25333	Anatoxin a ELISA 1X	1.428 Abs [1.4190] [2.5 C	0.1082 ng/mL [0.1200] [37.7 C'	Low [Low]	0.1500 - 5.0000	B06
AB25334	Anatoxin a ELISA 1X	1.427 Abs	0.1095 ng/mL	LOW	0.1500 - 5.0000	C06
AB25334	Anatoxin a ELISA 1X	1.341 Abs [1.3690] [3.7 C	0.2125 ng/mL [0.1801] [33.6 C'		0.1500 - 5.0000	E06
20160523LB	Anatoxin a ELISA 1X	1.425 Abs	0.1121 ng/mL	LOW	0.1500 - 5.0000	G06
20160523LB	Anatoxin a ELISA 1X	1.362 Abs [1.3763] [3.1 C	0.1883 ng/mL [0.1716] [30.5 C'		0.1500 - 5.0000	H06

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

May 26, 2016
Date



Assay Calibration Report

Assay Information

Assay Name: Anatoxin a ELISA 1X Units: ng/mL
Assay Mode: 4-Parameter Logistic # of decimals: 4
Normal: 0.1500 - 5.0000 Assay Description: 15hISA

Controls:

Normal Control

Standards:

Std1, Concentration = 0.0000, Minimum number to use: 3

Std2, Concentration = 0.1500, Minimum number to use: 3

Std3, Concentration = 0.4000, Minimum number to use: 3

Std4, Concentration = 1.0000, Minimum number to use: 3

Std5, Concentration = 2.5000, Minimum number to use: 3

Std6, Concentration = 5.0000, 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
5/25/2016 1:58:08 PM			
Std1	1.465 Abs	0.0555 ng/mL	C01
Std2	1.440 Abs	0.0925 ng/mL	E01
Std3	1.208 Abs	0.3691 ng/mL	G01
Std3	1.104 Abs	0.5071 ng/mL	A02
Std4	0.885 Abs	0.9135 ng/mL	B02
Std4	0.805 Abs	1.1435 ng/mL	C02
Std4	0.852 Abs	1.0000 ng/mL	D02
Std5	0.592 Abs	2.5650 ng/mL	E02
Std5	0.673 Abs	1.7715 ng/mL	F02
Std5	0.637 Abs	2.0570 ng/mL	G02
Std6	0.481 Abs	> 5.0000 ng/mL	A03
5/25/2016 1:58:08 PM			
Normal Control	0.986 Abs	0.6985 ng/mL	E03
Normal Control	1.024 Abs	0.6315 ng/mL	D03
Normal Control	1.023 Abs	0.6330 ng/mL	C03

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.465			0.056			
Std2	1.440			0.093			-38.00
Std3	1.156	0.074	6.36	0.438	0.098	22.27	9.50
Std4	0.847	0.040	4.74	1.019	0.116	11.40	1.90
Std5	0.634	0.041	6.40	2.131	0.402	18.86	-14.76
Std6	0.481						-100.00
Normal Control	1.011	0.022	2.14	0.654	0.038	5.85	

