



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29429	Potato Creek SP	6/5/2017	6/6/2017	< 0.40
AB29427	Potato Creek (Field Duplicate)	6/5/2017	6/6/2017	< 0.40
AB29428	Field Blank	6/5/2017	6/6/2017	< 0.40
AB29429LD	Potato Creek (Lab Duplicate)	6/5/2017	6/6/2017	< 0.40
20170606LB	Lab Blank	6/6/2017	6/6/2017	< 0.40



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/6/2017 3:27:29 PM						
Std1	Anatoxin a ELISA (2 rep)	1.337 Abs	0.010 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.371 Abs	< 0.000 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.256 Abs	0.097 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.158 Abs	0.241 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.075 Abs	0.398 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.084 Abs	0.379 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.843 Abs	1.091 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.903 Abs	0.864 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.602 Abs	2.658 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.612 Abs	2.559 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.434 Abs	> 5.000 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.470 Abs	4.515 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.931 Abs	0.772 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	0.926 Abs	0.789 ng/mL			F02
AB29429	Anatoxin a ELISA (2 rep)	1.274 Abs	0.083 ng/mL	LOW	0.150 - 5.000	G02
AB29429	Anatoxin a ELISA (2 rep)	1.279 Abs [1.2765] {0.3 CV}	0.075 ng/mL [0.079] {7.2 CV}	Low [Low]	0.150 - 5.000	H02
AB29427	Anatoxin a ELISA (2 rep)	1.307 Abs	0.042 ng/mL	LOW	0.150 - 5.000	A03
AB29427	Anatoxin a ELISA (2 rep)	1.224 Abs [1.2655] {4.6 CV}	0.153 ng/mL [0.094] {80.5 CV}	[Low]	0.150 - 5.000	B03
AB29428	Anatoxin a ELISA (2 rep)	1.255 Abs	0.108 ng/mL	LOW	0.150 - 5.000	C03
AB29428	Anatoxin a ELISA (2 rep)	1.218 Abs [1.2365] {2.1 CV}	0.162 ng/mL [0.134] {28.3 CV}	[Low]	0.150 - 5.000	D03
AB29429LD	Anatoxin a ELISA (2 rep)	1.289 Abs	0.063 ng/mL	LOW	0.150 - 5.000	E03
AB29429LD	Anatoxin a ELISA (2 rep)	1.179 Abs [1.2340] {6.3 CV}	0.227 ng/mL [0.138] {80.0 CV}	[Low]	0.150 - 5.000	F03
20170606LB	Anatoxin a ELISA (2 rep)	1.334 Abs	0.014 ng/mL	LOW	0.150 - 5.000	G03
20170606LB	Anatoxin a ELISA (2 rep)	1.322 Abs [1.3280] {0.6 CV}	0.025 ng/mL [0.020] {39.9 CV}	Low [Low]	0.150 - 5.000	H03

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

6/6/2017

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: ISA

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
6/6/2017 3:27:29 PM			
Std1	1.337 Abs	0.010 ng/mL	A01
Std1	1.371 Abs	< 0.000 ng/mL	B01
Std2	1.256 Abs	0.097 ng/mL	C01
Std2	1.158 Abs	0.241 ng/mL	D01
Std3	1.075 Abs	0.398 ng/mL	E01
Std3	1.084 Abs	0.379 ng/mL	F01
Std4	0.843 Abs	1.091 ng/mL	G01
Std4	0.903 Abs	0.864 ng/mL	H01
Std5	0.602 Abs	2.658 ng/mL	A02
Std5	0.612 Abs	2.559 ng/mL	B02
Std6	0.434 Abs	> 5.000 ng/mL	C02
Std6	0.470 Abs	4.515 ng/mL	D02
6/6/2017 3:27:29 PM			
Normal Control	0.931 Abs	0.772 ng/mL	E02
Normal Control	0.926 Abs	0.789 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.354	0.024	1.78				
Std2	1.207	0.069	5.74	0.169	0.102	60.25	12.67
Std3	1.079	0.006	0.59	0.389	0.013	3.46	-2.75
Std4	0.873	0.042	4.86	0.977	0.161	16.42	-2.30
Std5	0.607	0.007	1.16	2.609	0.070	2.68	4.36
Std6	0.452	0.025	5.63				-100.00
Normal Control	0.928	0.004	0.38	0.780	0.012	1.54	

