



Anatoxin-A ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29423	Whitewater Memorial (Field Duplicate)	5/30/2017	5/31/2017	< 0.40
AB29424	Field Blank	5/30/2017	5/31/2017	< 0.40
AB29425	Whitewater Memorial SP	5/30/2017	5/31/2017	< 0.40
AB29426	Mounds SRA	5/30/2017	5/31/2017	< 0.40
AB29426LD	Mounds SRA (Lab Duplicate)	5/30/2017	5/31/2017	< 0.40
20170530LB	Lab Blank	5/30/2017	5/31/2017	< 0.40



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/31/2017 12:01:07 PM						
Std1	Anatoxin a ELISA (2 rep)	1.361 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.352 Abs	0.001 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.209 Abs	0.149 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.210 Abs	0.147 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.014 Abs	0.491 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.066 Abs	0.381 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.870 Abs	0.893 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.866 Abs	0.907 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.561 Abs	2.805 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.574 Abs	2.668 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.430 Abs	4.855 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.437 Abs	4.705 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.935 Abs	0.664 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	0.927 Abs	0.687 ng/mL			F02
AB29423	Anatoxin a ELISA (2 rep)	1.350 Abs	0.003 ng/mL	LOW	0.150 - 5.000	G02
AB29423	Anatoxin a ELISA (2 rep)	1.232 Abs [1.2910] {6.5 C	0.119 ng/mL [0.052] {134.5 CV	Low [Low]	0.150 - 5.000	H02
AB29424	Anatoxin a ELISA (2 rep)	1.238 Abs	0.111 ng/mL	LOW	0.150 - 5.000	A03
AB29424	Anatoxin a ELISA (2 rep)	1.286 Abs [1.2620] {2.7 C	0.057 ng/mL [0.083] {45.5 CV}	Low [Low]	0.150 - 5.000	B03
AB29425	Anatoxin a ELISA (2 rep)	1.275 Abs	0.068 ng/mL	LOW	0.150 - 5.000	C03
AB29425	Anatoxin a ELISA (2 rep)	1.294 Abs [1.2845] {1.0 C	0.048 ng/mL [0.058] {24.4 CV}	Low [Low]	0.150 - 5.000	D03
AB29426	Anatoxin a ELISA (2 rep)	1.280 Abs	0.063 ng/mL	LOW	0.150 - 5.000	E03
AB29426	Anatoxin a ELISA (2 rep)	1.315 Abs [1.2975] {1.9 C	0.030 ng/mL [0.045] {50.2 CV}	Low [Low]	0.150 - 5.000	F03
AB29426LD	Anatoxin a ELISA (2 rep)	1.246 Abs	0.101 ng/mL	LOW	0.150 - 5.000	G03
AB29426LD	Anatoxin a ELISA (2 rep)	1.315 Abs [1.2805] {3.8 C	0.030 ng/mL [0.063] {76.6 CV}	Low [Low]	0.150 - 5.000	H03
20170530LB	Anatoxin a ELISA (2 rep)	1.194 Abs	0.169 ng/mL		0.150 - 5.000	A04
20170530LB	Anatoxin a ELISA (2 rep)	1.227 Abs [1.2105] {1.9 C	0.124 ng/mL [0.146] {21.7 CV}	Low [Low]	0.150 - 5.000	B04

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

5/31/2017

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: 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
5/31/2017 12:01:07 PM			
Std1	1.361 Abs	< 0.000 ng/mL	A01
Std1	1.352 Abs	0.002 ng/mL	B01
Std2	1.209 Abs	0.135 ng/mL	C01
Std2	1.210 Abs	0.134 ng/mL	D01
Std3	1.014 Abs	0.466 ng/mL	E01
Std4	0.870 Abs	0.866 ng/mL	G01
Std4	0.866 Abs	0.880 ng/mL	H01
Std5	0.561 Abs	2.807 ng/mL	A02
Std5	0.574 Abs	2.668 ng/mL	B02
Std6	0.430 Abs	4.885 ng/mL	C02
Std6	0.437 Abs	4.730 ng/mL	D02
5/31/2017 12:01:07 PM			
Normal Control	0.935 Abs	0.664 ng/mL	E02
Normal Control	0.927 Abs	0.687 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.356	0.006	0.47				
Std2	1.210	0.001	0.06	0.134	0.001	0.53	-10.67
Std3	1.014			0.466			16.50
Std4	0.868	0.003	0.33	0.873	0.010	1.13	-12.70
Std5	0.567	0.009	1.62	2.737	0.098	3.59	9.48
Std6	0.433	0.005	1.14	4.807	0.110	2.28	-3.86
Normal Control	0.931	0.006	0.61	0.675	0.016	2.41	

