



Anatoxin-a ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33720	Pokagon SP	7/16/2018	7/17/2018	< 0.400
AB33721	Potawatomi Inn's Beach	7/16/2018	7/17/2018	< 0.400
AB33722	Chain O'Lakes SP	7/16/2018	7/17/2018	0.562
AB33723	Kunkel Beach @ Quabache SP	7/16/2018	7/17/2018	< 0.400
AB33724	Potawatomi Inn (Field Duplicate)	7/16/2018	7/17/2018	< 0.400
AB33725	Field Blank	7/16/2018	7/17/2018	< 0.400
AB33726	Lost Bridge West SRA	7/16/2018	7/17/2018	< 0.400
AB33727	Mississinewa Lake Miami SRA	7/16/2018	7/17/2018	< 0.400
AB33727LD	Mississinewa (Lab Duplicate)	7/16/2018	7/17/2018	< 0.400
AB33728	Potato Creek SP	7/16/2018	7/17/2018	0.412
AB33730	Field Blank	7/16/2018	7/17/2018	< 0.400
AB33692	Dog Park Lake	7/16/2018	7/17/2018	< 0.400
20180717LB	Lab Blank	7/17/2018	7/17/2018	< 0.400



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/17/2018 3:34:09 PM						
Std1	Anatoxin a ELISA (2 rep)	1.473 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.417 Abs	0.028 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.359 Abs	0.083 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.341 Abs	0.103 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	0.987 Abs	0.757 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.180 Abs	0.329 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.910 Abs	0.998 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.944 Abs	0.885 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.674 Abs	2.214 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.627 Abs	2.601 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.448 Abs	> 5.000 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.441 Abs	> 5.000 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.892 Abs	1.144 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	1.050 Abs	0.684 ng/mL			F02
AB33720	Anatoxin a ELISA (2 rep)	1.269 Abs	0.280 ng/mL		0.150 - 5.000	G02
AB33720	Anatoxin a ELISA (2 rep)	1.362 Abs [1.3155] {5.0 C	0.129 ng/mL [0.202] {52.2 CV}	LOW	0.150 - 5.000	H02
AB33721	Anatoxin a ELISA (2 rep)	1.382 Abs	0.099 ng/mL	LOW	0.150 - 5.000	A03
AB33721	Anatoxin a ELISA (2 rep)	1.295 Abs [1.3385] {4.6 C	0.237 ng/mL [0.165] {58.1 CV}		0.150 - 5.000	B03
AB33722	Anatoxin a ELISA (2 rep)	1.069 Abs	0.703 ng/mL		0.150 - 5.000	C03
AB33722	Anatoxin a ELISA (2 rep)	1.186 Abs [1.1275] {7.3 C	0.437 ng/mL [0.562] {33.0 CV}		0.150 - 5.000	D03
AB33723	Anatoxin a ELISA (2 rep)	1.295 Abs	0.237 ng/mL		0.150 - 5.000	E03
AB33723	Anatoxin a ELISA (2 rep)	1.314 Abs [1.3045] {1.0 C	0.205 ng/mL [0.220] {10.2 CV}		0.150 - 5.000	F03
AB33724	Anatoxin a ELISA (2 rep)	1.346 Abs	0.154 ng/mL		0.150 - 5.000	G03
AB33724	Anatoxin a ELISA (2 rep)	1.230 Abs [1.2880] {6.4 C	0.352 ng/mL [0.247] {55.3 CV}		0.150 - 5.000	H03
AB33725	Anatoxin a ELISA (2 rep)	1.261 Abs	0.295 ng/mL		0.150 - 5.000	A04
AB33725	Anatoxin a ELISA (2 rep)	1.255 Abs [1.2580] {0.3 C	0.306 ng/mL [0.300] {2.6 CV}		0.150 - 5.000	B04
AB33726	Anatoxin a ELISA (2 rep)	1.248 Abs	0.318 ng/mL		0.150 - 5.000	C04
AB33726	Anatoxin a ELISA (2 rep)	1.275 Abs [1.2615] {1.5 C	0.271 ng/mL [0.294] {11.3 CV}		0.150 - 5.000	D04
AB33727	Anatoxin a ELISA (2 rep)	1.314 Abs	0.205 ng/mL		0.150 - 5.000	E04
AB33727	Anatoxin a ELISA (2 rep)	1.362 Abs [1.3380] {2.5 C	0.129 ng/mL [0.166] {32.2 CV}	LOW	0.150 - 5.000	F04
AB33727LD	Anatoxin a ELISA (2 rep)	1.288 Abs	0.247 ng/mL		0.150 - 5.000	G04
AB33727LD	Anatoxin a ELISA (2 rep)	1.347 Abs [1.3175] {3.2 C	0.152 ng/mL [0.199] {33.7 CV}		0.150 - 5.000	H04
AB33728	Anatoxin a ELISA (2 rep)	1.180 Abs	0.450 ng/mL		0.150 - 5.000	A05
AB33728	Anatoxin a ELISA (2 rep)	1.217 Abs [1.1985] {2.2 C	0.376 ng/mL [0.412] {12.7 CV}		0.150 - 5.000	B05
AB33730	Anatoxin a ELISA (2 rep)	1.305 Abs	0.219 ng/mL		0.150 - 5.000	C05
AB33730	Anatoxin a ELISA (2 rep)	1.375 Abs [1.3400] {3.7 C	0.109 ng/mL [0.163] {47.4 CV}	LOW	0.150 - 5.000	D05
AB33692	Anatoxin a ELISA (2 rep)	1.333 Abs	0.174 ng/mL		0.150 - 5.000	E05
AB33692	Anatoxin a ELISA (2 rep)	1.360 Abs [1.3465] {1.4 C	0.132 ng/mL [0.153] {19.4 CV}	LOW	0.150 - 5.000	F05
20180717LB	Anatoxin a ELISA (2 rep)	1.352 Abs	0.144 ng/mL	LOW	0.150 - 5.000	G05
20180717LB	Anatoxin a ELISA (2 rep)	1.381 Abs [1.3665] {1.5 C	0.100 ng/mL [0.122] {25.5 CV}	Low [Low]	0.150 - 5.000	H05

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

7/19/18

Date



Assay Calibration Report

Assay Information

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/17/2018 3:34:09 PM			
Std1	1.473 Abs	< 0.000 ng/mL	A01
Std1	1.417 Abs	0.043 ng/mL	B01
Std2	1.359 Abs	0.121 ng/mL	C01
Std2	1.341 Abs	0.147 ng/mL	D01
Std3	1.180 Abs	0.409 ng/mL	F01
Std4	0.910 Abs	1.082 ng/mL	G01
Std4	0.944 Abs	0.972 ng/mL	H01
Std5	0.674 Abs	2.228 ng/mL	A02
Std5	0.627 Abs	2.592 ng/mL	B02
Std6	0.448 Abs	> 5.000 ng/mL	C02
Std6	0.441 Abs	> 5.000 ng/mL	D02
7/17/2018 3:34:09 PM			
Normal Control	1.050 Abs	0.684 ng/mL	F02
Normal Control	0.892 Abs	1.144 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.445	0.040	2.74				
Std2	1.350	0.013	0.94	0.134	0.018	13.72	-10.67
Std3	1.180			0.409			2.25
Std4	0.927	0.024	2.59	1.027	0.078	7.57	2.70
Std5	0.650	0.033	5.11	2.410	0.257	10.68	-3.60
Std6	0.445	0.005	1.11				-100.00
Normal Control	0.971	0.112	11.51	0.914	0.325	35.59	

