



## Anatoxin-a ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33756	Lost Bridge West SRA	7/30/2018	8/2/2018	< 0.400
AB33757	Potato Creek SP	7/30/2018	8/2/2018	< 0.400
AB33758	Chain O'Lakes SP	7/30/2018	8/2/2018	< 0.400
AB33759	Potato Creek (Field Duplicate)	7/30/2018	8/2/2018	< 0.400
AB33760	Field Blank	7/30/2018	8/2/2018	< 0.400
AB33761	Dog Park Lake	7/30/2018	8/2/2018	0.758
AB33756LD	Lost Bridge West (Lab Duplicate)	7/30/2018	8/2/2018	< 0.400
20180731LB	Lab Blank	7/31/2018	8/2/2018	< 0.400



# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/2/2018 12:41:14 PM						
Std1	Anatoxin a ELISA (2 rep)	1.418 Abs	< 0.000 ng/mL		0.000	A01
Std1	Anatoxin a ELISA (2 rep)	1.360 Abs	0.004 ng/mL		0.000	B01
Std2	Anatoxin a ELISA (2 rep)	1.094 Abs	0.301 ng/mL		0.150	C01
Std2	Anatoxin a ELISA (2 rep)	1.200 Abs	0.130 ng/mL		0.150	D01
Std3	Anatoxin a ELISA (2 rep)	1.064 Abs	0.364 ng/mL		0.400	E01
Std3	Anatoxin a ELISA (2 rep)	1.107 Abs	0.276 ng/mL		0.400	F01
Std4	Anatoxin a ELISA (2 rep)	0.843 Abs	1.081 ng/mL		1.000	G01
Std4	Anatoxin a ELISA (2 rep)	0.905 Abs	0.828 ng/mL		1.000	H01
Std5	Anatoxin a ELISA (2 rep)	0.607 Abs	2.603 ng/mL		2.500	A02
Std5	Anatoxin a ELISA (2 rep)	0.566 Abs	2.994 ng/mL		2.500	B02
Std6	Anatoxin a ELISA (2 rep)	0.427 Abs	4.748 ng/mL		5.000	C02
Std6	Anatoxin a ELISA (2 rep)	0.423 Abs	4.811 ng/mL		5.000	D02
Normal Control	Anatoxin a ELISA (2 rep)	0.948 Abs	0.711 ng/mL			E02
Normal Control	Anatoxin a ELISA (2 rep)	0.904 Abs	0.851 ng/mL			F02
AB33756	Anatoxin a ELISA (2 rep)	1.208 Abs	0.182 ng/mL		0.150 - 5.000	G02
AB33756	Anatoxin a ELISA (2 rep)	1.207 Abs [1.2075] {0.1 CV}	0.184 ng/mL [0.183] {0.8 CV}		0.150 - 5.000	H02
AB33757	Anatoxin a ELISA (2 rep)	1.368 Abs	0.007 ng/mL	LOW	0.150 - 5.000	A03
AB33757	Anatoxin a ELISA (2 rep)	1.271 Abs [1.3195] {5.2 CV}	0.097 ng/mL [0.045] {122.4 CV}	Low [Low]	0.150 - 5.000	B03
AB33758	Anatoxin a ELISA (2 rep)	1.265 Abs	0.103 ng/mL	LOW	0.150 - 5.000	C03
AB33758	Anatoxin a ELISA (2 rep)	1.209 Abs [1.2370] {3.2 CV}	0.180 ng/mL [0.140] {38.5 CV}	[Low]	0.150 - 5.000	D03
AB33759	Anatoxin a ELISA (2 rep)	1.326 Abs	0.038 ng/mL	LOW	0.150 - 5.000	E03
AB33759	Anatoxin a ELISA (2 rep)	1.271 Abs [1.2985] {3.0 CV}	0.097 ng/mL [0.066] {61.8 CV}	Low [Low]	0.150 - 5.000	F03
AB33760	Anatoxin a ELISA (2 rep)	1.394 Abs	< 0.000 ng/mL	Out(LR)	0.150 - 5.000	G03
AB33760	Anatoxin a ELISA (2 rep)	1.274 Abs [1.3340] {6.4 CV}	0.094 ng/mL [0.032]	Low [Low]	0.150 - 5.000	H03
AB33761	Anatoxin a ELISA (2 rep)	1.009 Abs	0.598 ng/mL		0.150 - 5.000	A04
AB33761	Anatoxin a ELISA (2 rep)	0.902 Abs [0.9555] {7.9 CV}	0.943 ng/mL [0.758] {31.7 CV}		0.150 - 5.000	B04
AB33756LD	Anatoxin a ELISA (2 rep)	1.157 Abs	0.266 ng/mL		0.150 - 5.000	C04
AB33756LD	Anatoxin a ELISA (2 rep)	1.066 Abs [1.1115] {5.8 CV}	0.453 ng/mL [0.353] {36.8 CV}		0.150 - 5.000	D04
20180731LB	Anatoxin a ELISA (2 rep)	1.236 Abs	0.142 ng/mL	LOW	0.150 - 5.000	E04
20180731LB	Anatoxin a ELISA (2 rep)	1.194 Abs [1.2150] {2.4 CV}	0.204 ng/mL [0.172] {25.3 CV}		0.150 - 5.000	F04

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

8/2/2018

Date



# Assay Calibration Report

## Assay Information

Assay Name: Anatoxin a ELISA (2 rep) Units: ng/mL  
Assay Mode: 4-Parameter Logistic Weight by:None # 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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/2/2018 12:41:14 PM			
Std1	1.418 Abs	< 0.000 ng/mL	A01
Std1	1.360 Abs	0.011 ng/mL	B01
Std2	1.200 Abs	0.177 ng/mL	D01
Std3	1.064 Abs	0.416 ng/mL	E01
Std3	1.107 Abs	0.329 ng/mL	F01
Std4	0.843 Abs	1.077 ng/mL	G01
Std4	0.905 Abs	0.847 ng/mL	H01
Std5	0.607 Abs	2.498 ng/mL	A02
Std5	0.566 Abs	2.885 ng/mL	B02
Std6	0.427 Abs	4.792 ng/mL	C02
Std6	0.423 Abs	4.866 ng/mL	D02
8/2/2018 12:41:14 PM			
Normal Control	0.904 Abs	0.851 ng/mL	F02
Normal Control	0.948 Abs	0.711 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.389	0.041	2.95				
Std2	1.200			0.177			18.00
Std3	1.086	0.030	2.80	0.373	0.062	16.51	-6.75
Std4	0.874	0.044	5.02	0.962	0.163	16.91	-3.80
Std5	0.586	0.029	4.94	2.691	0.274	10.17	7.64
Std6	0.425	0.003	0.67	4.829	0.052	1.08	-3.42
Normal Control	0.926	0.031	3.36	0.781	0.099	12.68	

