



## Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30330	Southern Basin Inn's Beach	8/28/2017	8/31/2017	0.06
AB30331	Chain O'Lakes SP	8/28/2017	8/31/2017	< 0.05
AB30332	Lost Bridge West SRA	8/28/2017	8/31/2017	< 0.05
AB30333	Mississinewa Lake Miami SRA	8/29/2017	8/31/2017	< 0.05
AB30334	Potato Creek SP	8/29/2017	8/31/2017	0.29
AB30335	Lost Bridge West (Field Duplicate)	8/28/2017	8/31/2017	0.20
AB30336	Field Blank	8/28/2017	8/31/2017	< 0.05
AB30333LD	Mississinewa (Lab Duplicate)	8/29/2017	8/31/2017	0.07
20170828LB	Lab Blank	8/28/2017	8/31/2017	< 0.05



# Assay Calibration Report

## Assay Information

Assay Name: Cylindrospermopsin 1X  
Assay Mode: 4-Parameter Logistic  
Normal: 0.050 - 2.000

Units: ng/mL  
# of decimals: 3  
Assay Description:

## Controls:

Normal Control

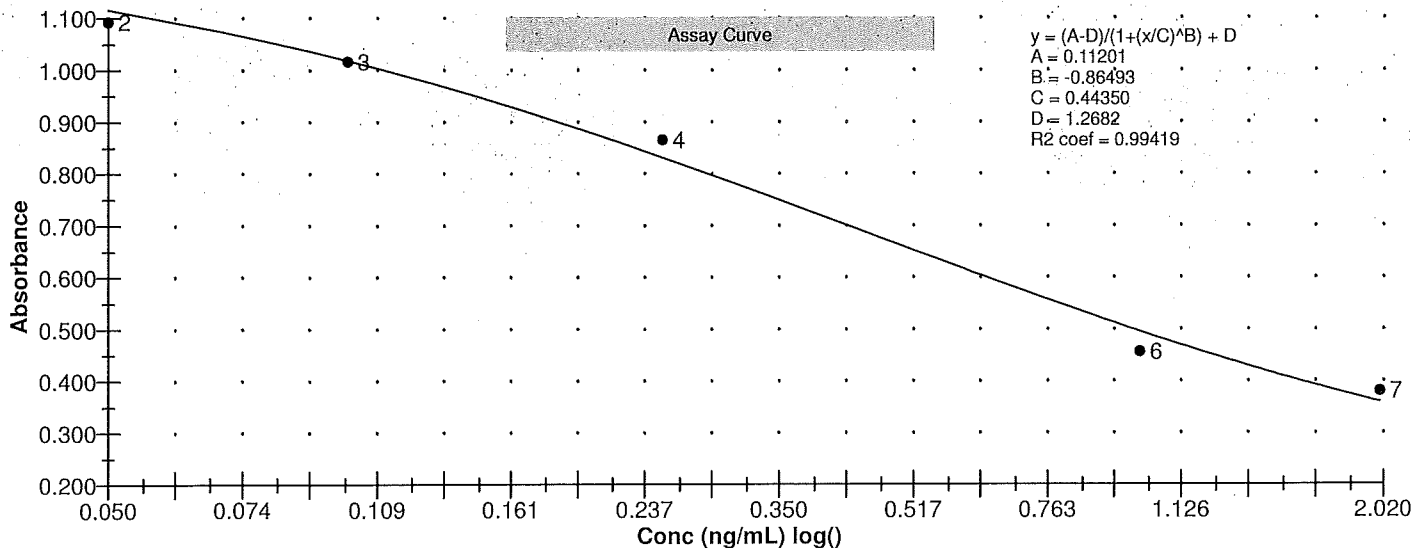
## Standards:

Std1, Concentration = 0.000, Minimum number to use: 2  
Std2, Concentration = 0.050, Minimum number to use: 2  
Std3, Concentration = 0.100, Minimum number to use: 2  
Std4, Concentration = 0.250, Minimum number to use: 2  
Std5, Concentration = 0.500, Minimum number to use: 2  
Std6, Concentration = 1.000, Minimum number to use: 2  
Std7, Concentration = 2.000, 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
8/31/2017 11:48:58 AM			
Std1	1.295 Abs	< 0.000 ng/mL	A01
Std1	1.259 Abs	0.000 ng/mL	B01
Std2	1.093 Abs	0.060 ng/mL	C01
Std3	0.979 Abs	0.125 ng/mL	E01
Std3	1.053 Abs	0.080 ng/mL	F01
Std4	0.850 Abs	0.230 ng/mL	G01
Std4	0.879 Abs	0.202 ng/mL	H01
Std6	0.445 Abs	1.263 ng/mL	C02
Std6	0.468 Abs	1.132 ng/mL	D02
Std7	0.350 Abs	> 2.000 ng/mL	E02
Std7	0.409 Abs	1.514 ng/mL	F02
8/31/2017 11:48:58 AM			
Normal Control	0.599 Abs	0.641 ng/mL	H02
Normal Control	0.597 Abs	0.646 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.277	0.025	1.99				
Std2	1.093			0.060			20.00
Std3	1.016	0.052	5.15	0.102	0.032	31.04	2.00
Std4	0.865	0.021	2.37	0.216	0.020	9.17	-13.60
Std6	0.456	0.016	3.56	1.197	0.093	7.74	19.70
Std7	0.380	0.042	10.99				-100.00
Normal Control	0.598	0.001	0.24	0.643	0.004	0.55	





## Test Report

### Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/31/2017 11:48:58 AM						
Std1	Cylindrospermopsin 1X	1.295 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.259 Abs	0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.093 Abs	0.060 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.063 Abs	0.073 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.979 Abs	0.118 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	1.053 Abs	0.078 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.850 Abs	0.211 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.879 Abs	0.187 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.605 Abs	0.561 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.587 Abs	0.605 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.445 Abs	1.178 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.468 Abs	1.044 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.350 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.409 Abs	1.446 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.597 Abs	0.646 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.599 Abs	0.641 ng/mL			H02
AB30330	Cylindrospermopsin 1X	1.099 Abs	0.058 ng/mL		0.050 - 2.000	A03
AB30330	Cylindrospermopsin 1X	1.083 Abs [1.0910] {1.0 C	0.065 ng/mL [0.061] {8.0 CV}		0.050 - 2.000	B03
AB30331	Cylindrospermopsin 1X	1.151 Abs	0.036 ng/mL	LOW	0.050 - 2.000	C03
AB30331	Cylindrospermopsin 1X	1.103 Abs [1.1270] {3.0 C	0.056 ng/mL [0.045] {30.7 CV}	[Low]	0.050 - 2.000	D03
AB30332	Cylindrospermopsin 1X	1.111 Abs	0.052 ng/mL		0.050 - 2.000	E03
AB30332	Cylindrospermopsin 1X	1.162 Abs [1.1365] {3.2 C	0.031 ng/mL [0.041] {35.8 CV}	Low [Low]	0.050 - 2.000	F03
AB30333	Cylindrospermopsin 1X	1.039 Abs	0.088 ng/mL		0.050 - 2.000	G03
AB30333	Cylindrospermopsin 1X	1.362 Abs [1.2005] {19.0	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	H03
AB30334	Cylindrospermopsin 1X	0.813 Abs	0.269 ng/mL		0.050 - 2.000	A04
AB30334	Cylindrospermopsin 1X	0.786 Abs [0.7995] {2.4 C	0.301 ng/mL [0.285] {7.9 CV}		0.050 - 2.000	B04
AB30335	Cylindrospermopsin 1X	0.899 Abs	0.185 ng/mL		0.050 - 2.000	C04
AB30335	Cylindrospermopsin 1X	0.861 Abs [0.8800] {3.1 C	0.219 ng/mL [0.201] {11.9 CV}		0.050 - 2.000	D04
AB30336	Cylindrospermopsin 1X	1.197 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E04
AB30336	Cylindrospermopsin 1X	1.130 Abs [1.1635] {4.1 C	0.044 ng/mL [0.031] {141.4 CV}	Low [Low]	0.050 - 2.000	F04
AB30337	Cylindrospermopsin 1X	0.900 Abs	0.184 ng/mL		0.050 - 2.000	G04
AB30337	Cylindrospermopsin 1X	1.205 Abs [1.0525] {20.5	0.000 ng/mL [0.081] {141.4 CV}	LOW	0.050 - 2.000	H04
AB30333LD	Cylindrospermopsin 1X	1.041 Abs	0.087 ng/mL		0.050 - 2.000	A05
AB30333LD	Cylindrospermopsin 1X	1.103 Abs [1.0720] {4.1 C	0.056 ng/mL [0.071] {30.7 CV}		0.050 - 2.000	B05
20170828LB	Cylindrospermopsin 1X	1.266 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C05
20170828LB	Cylindrospermopsin 1X	1.096 Abs [1.1810] {10.2	0.059 ng/mL [0.024] {141.4 CV}	[Low]	0.050 - 2.000	D05

The data in this report is preliminary without a quality control report. This data is not warranted for accuracy or other purposes.

*Betty Stutley for David Jordan*  
Laboratory Analyst Signature

8/31/17  
Date