



## Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30320	Paynetown SRA	8/21/2017	8/23/2017	< 0.05
AB30321	Starve Hollow SRA	8/21/2017	8/23/2017	< 0.05
AB30322	Hardy Lake SRA	8/21/2017	8/23/2017	< 0.05
AB30323	Whitewater Memorial SP	8/22/2017	8/23/2017	< 0.05
AB30324	Quakertown SRA	8/22/2017	8/23/2017	< 0.05
AB30325	Mounds SRA	8/22/2017	8/23/2017	< 0.05
AB30326	Raccoon Lake SRA	8/22/2017	8/23/2017	< 0.05
AB30327	Quakertown (Field Duplicate)	8/22/2017	8/23/2017	< 0.05
AB30328	Field Blank	8/22/2017	8/23/2017	< 0.05
AB30320LD	Paynetown (Lab Duplicate)	8/21/2017	8/23/2017	< 0.05
20170821LB	Lab Blank	8/21/2017	8/23/2017	< 0.05





# Assay Calibration Report

## Assay Information

Assay Name: Cylindrospermopsin 1X Units: ng/mL  
Assay Mode: 4-Parameter Logistic # of decimals: 3  
Normal: 0.050 - 2.000 Assay Description:

## Controls:

Normal Control

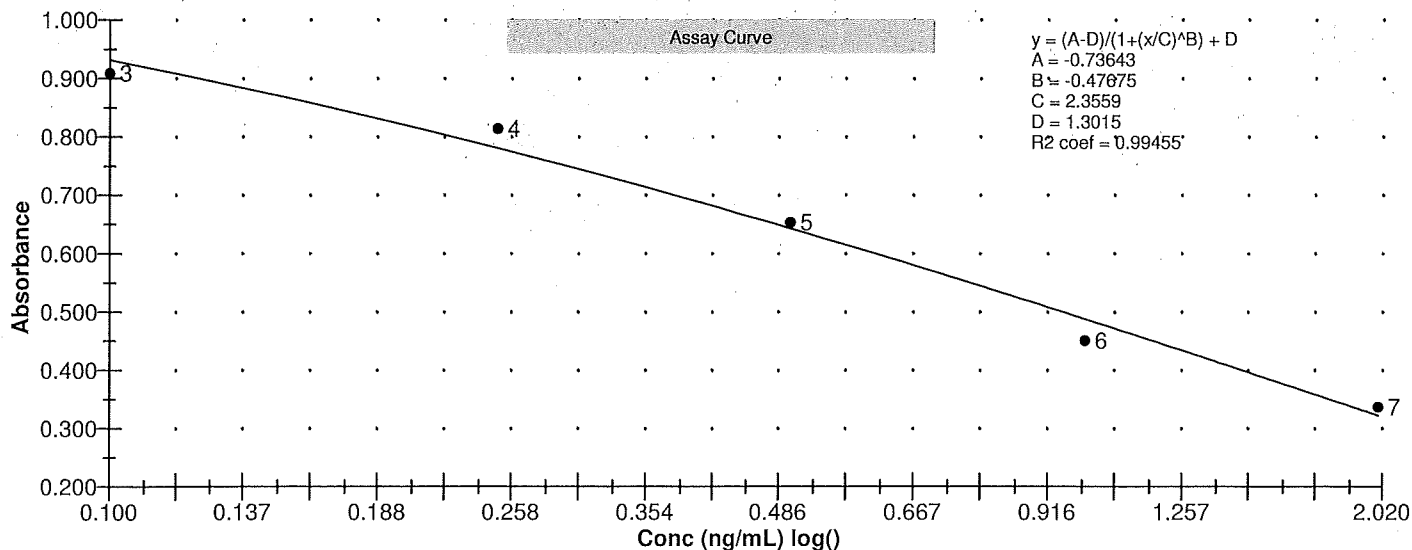
## Standards:

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
8/23/2017 5:52:29 PM			
Std1	1.303 Abs	< 0.000 ng/mL	B01
Std3	0.888 Abs	0.134 ng/mL	E01
Std3	0.930 Abs	0.101 ng/mL	F01
Std4	0.771 Abs	0.264 ng/mL	G01
Std4	0.858 Abs	0.161 ng/mL	H01
Std5	0.634 Abs	0.521 ng/mL	A02
Std5	0.671 Abs	0.437 ng/mL	B02
Std6	0.439 Abs	1.231 ng/mL	C02
Std6	0.464 Abs	1.108 ng/mL	D02
Std7	0.337 Abs	1.882 ng/mL	E02
8/23/2017 5:52:29 PM			
Normal Control	0.540 Abs	0.798 ng/mL	H02
Normal Control	0.525 Abs	0.852 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.303						
Std3	0.909	0.030	3.27	0.118	0.023	19.86	18.00
Std4	0.814	0.062	7.55	0.213	0.073	34.27	-14.80
Std5	0.653	0.026	4.01	0.479	0.059	12.40	-4.20
Std6	0.451	0.018	3.92	1.169	0.087	7.44	16.90
Std7	0.337			1.882			-5.90
Normal Control	0.533	0.011	1.99	0.825	0.038	4.63	







## Test Report

### Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/23/2017 5:52:29 PM						
Std1	Cylindrospermopsin 1X	0.788 Abs	0.280 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.303 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.219 Abs	< 0.000 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.133 Abs	< 0.000 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.888 Abs	0.185 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.930 Abs	0.150 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.771 Abs	0.299 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.858 Abs	0.212 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.634 Abs	0.489 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.671 Abs	0.428 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.439 Abs	1.150 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.464 Abs	1.000 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.337 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.400 Abs	1.490 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.525 Abs	0.852 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.540 Abs	0.798 ng/mL			H02
AB30320	Cylindrospermopsin 1X	1.214 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB30320	Cylindrospermopsin 1X	1.069 Abs [1.1415] {9.0 C	0.032 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	B03
AB30321	Cylindrospermopsin 1X	1.245 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB30321	Cylindrospermopsin 1X	1.187 Abs [1.2160] {3.4 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D03
AB30322	Cylindrospermopsin 1X	1.279 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E03
AB30322	Cylindrospermopsin 1X	1.107 Abs [1.1930] {10.2	0.021 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	F03
AB30323	Cylindrospermopsin 1X	1.105 Abs	0.022 ng/mL	LOW	0.050 - 2.000	G03
AB30323	Cylindrospermopsin 1X	1.090 Abs [1.0975] {1.0 C	0.026 ng/mL [0.024] {11.8 CV}	Low [Low]	0.050 - 2.000	H03
AB30324	Cylindrospermopsin 1X	1.181 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A04
AB30324	Cylindrospermopsin 1X	1.240 Abs [1.2105] {3.4 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B04
AB30325	Cylindrospermopsin 1X	1.131 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C04
AB30325	Cylindrospermopsin 1X	1.210 Abs [1.1705] {4.8 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D04
AB30326	Cylindrospermopsin 1X	1.188 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E04
AB30326	Cylindrospermopsin 1X	1.197 Abs [1.1925] {0.5 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F04
AB30327	Cylindrospermopsin 1X	1.249 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G04
AB30327	Cylindrospermopsin 1X	1.208 Abs [1.2285] {2.4 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H04
AB30328	Cylindrospermopsin 1X	1.288 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A05
AB30328	Cylindrospermopsin 1X	1.325 Abs [1.3065] {2.0 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B05
AB30329	Cylindrospermopsin 1X	1.232 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C05
AB30329	Cylindrospermopsin 1X	1.178 Abs [1.2050] {3.2 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D05
AB30320LD	Cylindrospermopsin 1X	1.271 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E05
AB30320LD	Cylindrospermopsin 1X	1.094 Abs [1.1825] {10.6	0.024 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	F05
20170821LB	Cylindrospermopsin 1X	1.234 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G05
20170821LB	Cylindrospermopsin 1X	1.199 Abs [1.2165] {2.0 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	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

*8/24/2017*

Date

