



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26653	Mississinewa Miami SRA	8/29/2016	9/1/2016	0.223
AB26654	Potato Creek SP	8/29/2016	9/1/2016	< 0.05
AB26655	Pokagon SP	8/30/2016	9/1/2016	0.069
AB26656	Southern Basin Inn's Beach	8/30/2016	9/1/2016	< 0.05
AB26657	Chain O'Lakes SP	8/30/2016	9/1/2016	< 0.05
AB26658	Lost Bridge West SRA	8/30/2016	9/1/2016	< 0.05
AB26659	Mississinewa (Field Duplicate)	8/29/2016	9/1/2016	< 0.05
AB26660	Field Blank	8/29/2016	9/1/2016	< 0.05
AB26700	Ferdinand SP	8/29/2016	9/1/2016	0.084
AB26700LD	Ferdinand (Lab Duplicate)	8/29/2016	9/1/2016	0.073
AB26701	Lincoln SP	8/29/2016	9/1/2016	3.4*
20160829LB	Lab Blank	8/30/2016	9/1/2016	< 0.05

*This sample was diluted 3X and the result was calculated to be 3.4



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

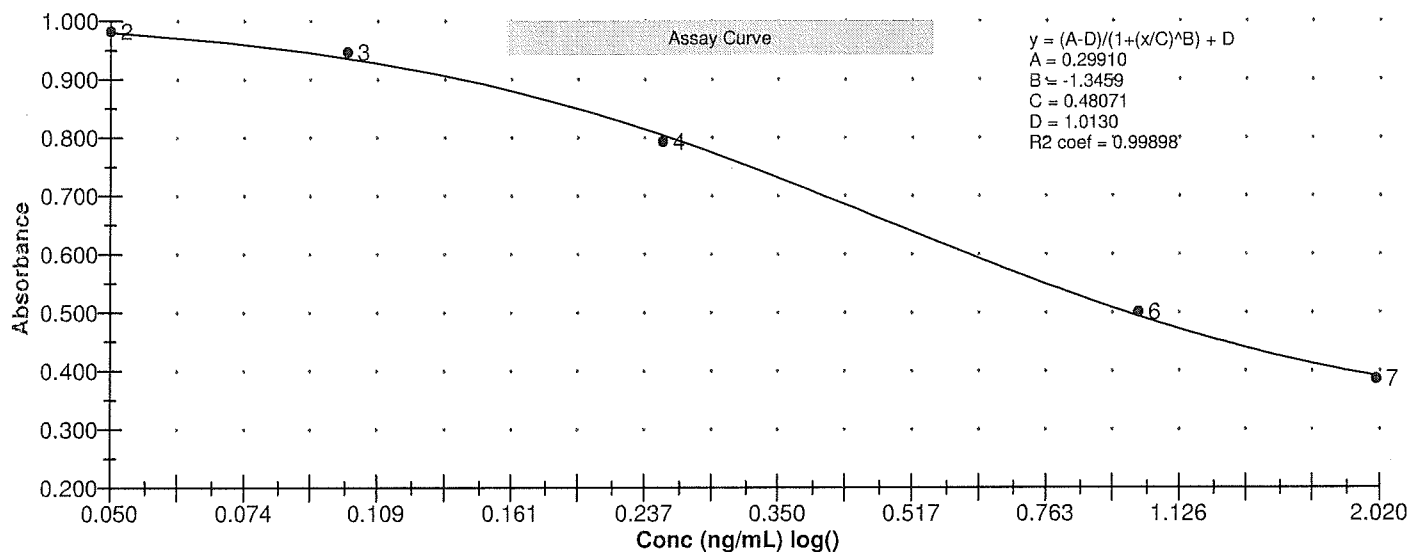
Standards:

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
9/1/2016 3:16:41 PM			
Std1	1.007 Abs	0.000 ng/mL	B01
Std2	0.975 Abs	0.057 ng/mL	C01
Std2	0.991 Abs	0.037 ng/mL	D01
Std3	0.947 Abs	0.088 ng/mL	E01
Std4	0.793 Abs	0.264 ng/mL	G01
Std6	0.501 Abs	0.960 ng/mL	D02
Std7	0.386 Abs	> 2.000 ng/mL	E02
9/1/2016 3:16:41 PM			
Normal Control	0.607 Abs	0.591 ng/mL	H02
Normal Control	0.577 Abs	0.672 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.007			0.000			
Std2	0.983	0.011	1.15	0.047	0.014	30.09	-6.00
Std3	0.947			0.088			-12.00
Std4	0.793			0.264			5.60
Std6	0.501			0.960			-4.00
Std7	0.386						-100.00
Normal Control	0.592	0.021	3.58	0.632	0.057	9.07	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
9/1/2016 3:16:41 PM						
Std1	Cylindrospermopsin 1X	1.061 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.007 Abs	0.039 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.975 Abs	0.080 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.991 Abs	0.061 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.947 Abs	0.110 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.969 Abs	0.086 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.793 Abs	0.266 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.846 Abs	0.210 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.603 Abs	0.564 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.638 Abs	0.490 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.491 Abs	0.982 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.501 Abs	0.924 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.386 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.436 Abs	1.514 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.577 Abs	0.672 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.607 Abs	0.591 ng/mL			H02
AB26653	Cylindrospermopsin 1X	0.812 Abs	0.240 ng/mL		0.050 - 2.000	A03
AB26653	Cylindrospermopsin 1X	0.840 Abs [0.8260] {2.4 % CV}	0.206 ng/mL [0.223] {10.8 CV}		0.050 - 2.000	B03
AB26654	Cylindrospermopsin 1X	1.029 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB26654	Cylindrospermopsin 1X	1.051 Abs [1.0400] {1.5 % CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB26655	Cylindrospermopsin 1X	0.905 Abs	0.134 ng/mL		0.050 - 2.000	E03
AB26655	Cylindrospermopsin 1X	1.023 Abs [0.9640] {8.7 % CV}	< 0.000 ng/mL [0.069]	Out(LR)	0.050 - 2.000	F03
AB26656	Cylindrospermopsin 1X	0.954 Abs	0.080 ng/mL		0.050 - 2.000	G03
AB26656	Cylindrospermopsin 1X	1.103 Abs [1.0285] {10.2 % CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB26657	Cylindrospermopsin 1X	1.009 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A04
AB26657	Cylindrospermopsin 1X	1.075 Abs [1.0420] {4.5 % CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB26658	Cylindrospermopsin 1X	1.052 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB26658	Cylindrospermopsin 1X	1.061 Abs [1.0565] {0.6 % CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB26659	Cylindrospermopsin 1X	0.976 Abs	0.056 ng/mL		0.050 - 2.000	E04
AB26659	Cylindrospermopsin 1X	1.070 Abs [1.0230] {6.5 % CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
AB26660	Cylindrospermopsin 1X	1.024 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB26660	Cylindrospermopsin 1X	0.991 Abs [1.0075] {2.3 % CV}	0.037 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H04
AB26700	Cylindrospermopsin 1X	0.948 Abs	0.087 ng/mL		0.050 - 2.000	A05
AB26700	Cylindrospermopsin 1X	0.954 Abs [0.9510] {0.4 % CV}	0.080 ng/mL [0.084] {5.9 CV}		0.050 - 2.000	B05
AB26700LD	Cylindrospermopsin 1X	1.021 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB26700LD	Cylindrospermopsin 1X	0.901 Abs [0.9610] {8.8 % CV}	0.138 ng/mL [0.073]		0.050 - 2.000	D05
AB26701	Cylindrospermopsin 1X	0.300 Abs	> 2.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB26701	Cylindrospermopsin 1X	0.375 Abs [0.3375] {15.7 % CV}	> 2.000 ng/mL [> 2.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F05
AB26701X3	Cylindrospermopsin 1X	0.468 Abs	1.148 ng/mL		0.050 - 2.000	G05
AB26701X3	Cylindrospermopsin 1X	0.468 Abs [0.4680] {0.0 % CV}	1.148 ng/mL [1.148] {0.0 CV}		0.050 - 2.000	H05
20160830LB	Cylindrospermopsin 1X	0.869 Abs	0.173 ng/mL		0.050 - 2.000	C06
20160830LB	Cylindrospermopsin 1X	1.096 Abs [0.9825] {16.3 % CV}	< 0.000 ng/mL [0.048]	Out(LR) [Low]	0.050 - 2.000	D06

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

9/1/2016
Date