Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29952	Hardy Lake SRA	7/24/2017	7/26/2017	< 0.05
AB29953	Mounds SRA	7/24/2017	7/26/2017	< 0.05
AB29954	Quakertown SRA	7/24/2017	7/26/2017	< 0.05
AB29955	Whitewater Memorial SP	7/24/2017	7/26/2017	0.071
AB29955LD	Whitewater Memorial SP (Lab Dup	7/24/2017	7/26/2017	0.051
AB29956	Raccoon Lake	7/25/2017	7/26/2017	< 0.05
AB29950	Raccoon Lake (Field Duplicate)	7/25/2017	7/26/2017	< 0.05
AB29951	Field Blank	7/25/2017	7/26/2017	< 0.05
20170724LB	Lab Blank	7/24/2017	7/26/2017	< 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
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Std1	1.429 Abs	< 0.000 ng/mL	A01
Std1	1.420 Abs	< 0.000 ng/mL	B01
Std2	1.129 Abs	0.062 ng/mL	D01
Std4	0.943 Abs	0.160 ng/mL	G01
Std4	0.886 Abs	0.204 ng/mL	H01
Std5	0.642 Abs	0.543 ng/mL	A02
Std5	0.602 Abs	0.639 ng/mL	B02
Std6	0.464 Abs	1.158 ng/mL	C02
Std6	0.450 Abs	1.236 ng/mL	D02
Std7	0.367 Abs	1.874 ng/mL	E02
Std7	0.401 Abs	1.570 ng/mL	F02
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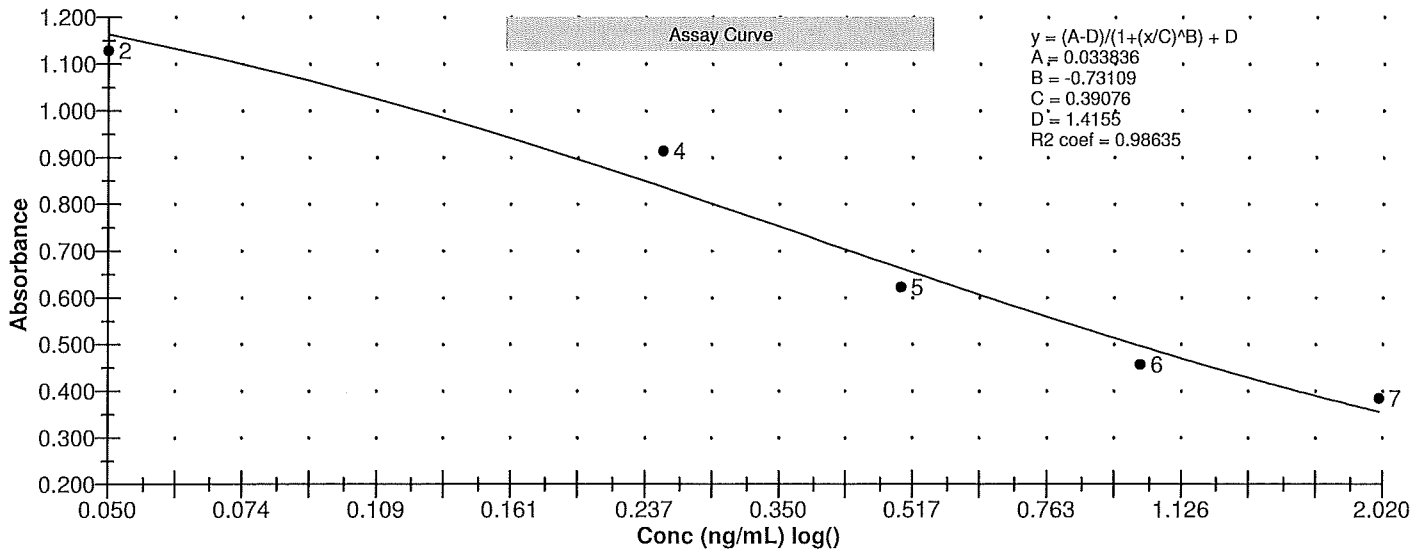
Normal Control	0.598 Abs	0.649 ng/mL	H02
Normal Control	0.573 Abs	0.720 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.424	0.006	0.45				
Std2	1.129			0.062			24.00
Std4	0.914	0.040	4.41	0.182	0.031	17.09	-27.20
Std5	0.622	0.028	4.55	0.591	0.068	11.49	18.20
Std6	0.457	0.010	2.17	1.197	0.055	4.61	19.70
Std7	0.384	0.024	6.26	1.722	0.215	12.48	-13.90
Normal Control	0.586	0.018	3.02	0.684	0.050	7.33	



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Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
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Std1	Cylindrospermopsin 1X	1.429 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.420 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.062 Abs	0.110 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.129 Abs	0.079 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	1.201 Abs	0.051 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	1.131 Abs	0.078 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.943 Abs	0.183 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.886 Abs	0.228 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.642 Abs	0.555 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.602 Abs	0.645 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.464 Abs	1.134 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.450 Abs	1.209 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.367 Abs	1.834 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.401 Abs	1.530 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.573 Abs	0.720 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.598 Abs	0.649 ng/mL			H02
AB29952	Cylindrospermopsin 1X	1.412 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB29952	Cylindrospermopsin 1X	1.184 Abs [1.2980] {12.4	0.044 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	B03
AB29953	Cylindrospermopsin 1X	1.266 Abs	0.022 ng/mL	LOW	0.050 - 2.000	C03
AB29953	Cylindrospermopsin 1X	1.313 Abs [1.2895] {2.6 C	0.000 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	D03
AB29954	Cylindrospermopsin 1X	1.163 Abs	0.050 ng/mL		0.050 - 2.000	E03
AB29954	Cylindrospermopsin 1X	1.227 Abs [1.1950] {3.8 C	0.031 ng/mL [0.040] {33.2 CV}	Low [Low]	0.050 - 2.000	F03
AB29955	Cylindrospermopsin 1X	1.124 Abs	0.064 ng/mL		0.050 - 2.000	G03
AB29955	Cylindrospermopsin 1X	1.092 Abs [1.1080] {2.0 C	0.077 ng/mL [0.071] {13.0 CV}		0.050 - 2.000	H03
AB29955LD	Cylindrospermopsin 1X	1.199 Abs	0.039 ng/mL	LOW	0.050 - 2.000	A04
AB29955LD	Cylindrospermopsin 1X	1.122 Abs [1.1605] {4.7 C	0.065 ng/mL [0.051] {35.4 CV}		0.050 - 2.000	B04
AB29956	Cylindrospermopsin 1X	1.233 Abs	0.030 ng/mL	LOW	0.050 - 2.000	C04
AB29956	Cylindrospermopsin 1X	1.192 Abs [1.2125] {2.4 C	0.041 ng/mL [0.035] {21.9 CV}	Low [Low]	0.050 - 2.000	D04
AB29957	Cylindrospermopsin 1X	1.287 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E04
AB29957	Cylindrospermopsin 1X	1.279 Abs [1.2830] {0.4 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F04
AB29950	Cylindrospermopsin 1X	1.284 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G04
AB29950	Cylindrospermopsin 1X	1.255 Abs [1.2695] {1.6 C	0.024 ng/mL [0.021] {141.4 CV	Low [Low]	0.050 - 2.000	H04
AB29951	Cylindrospermopsin 1X	1.315 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A05
AB29951	Cylindrospermopsin 1X	1.318 Abs [1.3165] {0.2 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B05
20170724LB	Cylindrospermopsin 1X	1.337 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C05
20170724LB	Cylindrospermopsin 1X	1.264 Abs [1.3005] {4.0 C	0.022 ng/mL [0.000] {141.4 CV	Low [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.

David Jordan
Laboratory Analyst Signature

7/27/2017
Date