



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33965	Field Blank	8/14/2018	8/16/2018	< 0.05
AB33960	Potawatomi Inn's Beach	8/14/2018	8/16/2018	< 0.05
AB33961	Pokagon SP	8/14/2018	8/16/2018	< 0.05
AB33962	Chain O'Lakes SP	8/14/2018	8/16/2018	< 0.05
AB33963	Kunkel Beach @ Quabache SP	8/14/2018	8/16/2018	< 0.05
AB33964	Chain O'Lakes (Field Duplicate)	8/14/2018	8/16/2018	< 0.05
AB33966	Lost Bridge West SRA	8/13/2018	8/16/2018	< 0.05
AB33967	Potato Creek SP	8/13/2018	8/16/2018	< 0.05
AB33968	Mississinewa Lake Miami SRA	8/13/2018	8/16/2018	< 0.05
AB33969	Dog Park Lake	8/14/2018	8/16/2018	0.47
AB33963LD	Kunkel Beach (Lab Duplicate)	8/14/2018	8/16/2018	< 0.05
20180815LB	Lab Blank	8/14/2018	8/16/2018	< 0.05



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/16/2018 12:43:32 PM						
Std1	Cylindrospermopsin 1X	1.088 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.085 Abs	0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.892 Abs	0.052 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.898 Abs	0.050 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.768 Abs	0.116 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.821 Abs	0.085 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.621 Abs	0.258 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.633 Abs	0.242 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.501 Abs	0.511 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.522 Abs	0.450 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.397 Abs	1.065 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.387 Abs	1.161 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.313 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.367 Abs	1.397 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.455 Abs	0.688 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.467 Abs	0.634 ng/mL			H02
AB33965	Cylindrospermopsin 1X	1.065 Abs	0.003 ng/mL	LOW	0.050 - 2.000	A03
AB33965	Cylindrospermopsin 1X	1.080 Abs [1.0725] {1.0 CV}	0.001 ng/mL [0.002] {70.7 CV}	Low [Low]	0.050 - 2.000	B03
AB33960	Cylindrospermopsin 1X	1.045 Abs	0.007 ng/mL	LOW	0.050 - 2.000	C03
AB33960	Cylindrospermopsin 1X	1.046 Abs [1.0455] {0.1 CV}	0.007 ng/mL [0.007] {0.0 CV}	Low [Low]	0.050 - 2.000	D03
AB33961	Cylindrospermopsin 1X	1.019 Abs	0.013 ng/mL	LOW	0.050 - 2.000	E03
AB33961	Cylindrospermopsin 1X	1.071 Abs [1.0450] {3.5 CV}	0.002 ng/mL [0.007] {103.7 CV}	Low [Low]	0.050 - 2.000	F03
AB33962	Cylindrospermopsin 1X	1.085 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G03
AB33962	Cylindrospermopsin 1X	1.081 Abs [1.0830] {0.3 CV}	0.001 ng/mL [0.000] {141.4 CV}	Low [Low]	0.050 - 2.000	H03
AB33963	Cylindrospermopsin 1X	1.043 Abs	0.007 ng/mL	LOW	0.050 - 2.000	A04
AB33963	Cylindrospermopsin 1X	1.065 Abs [1.0540] {1.5 CV}	0.003 ng/mL [0.005] {56.6 CV}	Low [Low]	0.050 - 2.000	B04
AB33964	Cylindrospermopsin 1X	1.031 Abs	0.010 ng/mL	LOW	0.050 - 2.000	C04
AB33964	Cylindrospermopsin 1X	1.012 Abs [1.0215] {1.3 CV}	0.014 ng/mL [0.012] {23.6 CV}	Low [Low]	0.050 - 2.000	D04
AB33966	Cylindrospermopsin 1X	1.018 Abs	0.013 ng/mL	LOW	0.050 - 2.000	E04
AB33966	Cylindrospermopsin 1X	1.092 Abs [1.0550] {5.0 CV}	< 0.000 ng/mL [0.005]	Out(LR) [Low]	0.050 - 2.000	F04
AB33967	Cylindrospermopsin 1X	1.100 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB33967	Cylindrospermopsin 1X	1.070 Abs [1.0850] {2.0 CV}	0.002 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H04
AB33968	Cylindrospermopsin 1X	1.032 Abs	0.010 ng/mL	LOW	0.050 - 2.000	A05
AB33968	Cylindrospermopsin 1X	1.081 Abs [1.0565] {3.3 CV}	0.001 ng/mL [0.005] {115.7 CV}	Low [Low]	0.050 - 2.000	B05
AB33969	Cylindrospermopsin 1X	0.523 Abs	0.447 ng/mL		0.050 - 2.000	C05
AB33969	Cylindrospermopsin 1X	0.505 Abs [0.5140] {2.5 CV}	0.498 ng/mL [0.472] {7.6 CV}		0.050 - 2.000	D05
AB33963LD	Cylindrospermopsin 1X	1.033 Abs	0.009 ng/mL	LOW	0.050 - 2.000	E05
AB33963LD	Cylindrospermopsin 1X	1.096 Abs [1.0645] {4.2 CV}	< 0.000 ng/mL [0.003]	Out(LR) [Low]	0.050 - 2.000	F05
20180815LB	Cylindrospermopsin 1X	1.097 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
20180815LB	Cylindrospermopsin 1X	1.120 Abs [1.1085] {1.5 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	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.

Laboratory Analyst Signature

8/16/2018

Date



Assay Calibration Report

Assay Information

Assay Name: Cylindrospermopsin 1X

Assay Mode: 4-Parameter Logistic Weight by:None

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/16/2018 12:43:32 PM			
Std1	1.088 Abs	< 0.000 ng/mL	A01
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Std7	0.313 Abs	> 2.000 ng/mL	E02
Std7	0.367 Abs	1.397 ng/mL	F02
8/16/2018 12:43:32 PM			
Normal Control	0.467 Abs	0.634 ng/mL	H02
Normal Control	0.455 Abs	0.688 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.087	0.002	0.20				
Std2	0.895	0.004	0.47	0.051	0.001	2.77	2.00
Std3	0.794	0.037	4.72	0.101	0.022	21.81	1.00
Std4	0.627	0.008	1.35	0.250	0.011	4.53	0.00
Std5	0.512	0.015	2.90	0.480	0.043	8.98	-4.00
Std6	0.392	0.007	1.80	1.113	0.068	6.10	11.30
Std7	0.340	0.038	11.23				-100.00
Normal Control	0.461	0.008	1.84	0.661	0.038	5.78	

