



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB34027	Field Blank	8/27/2018	8/29/2018	< 0.05
AB34024	Potato Creek SP	8/27/2018	8/29/2018	< 0.05
AB34025	Lost Bridge West SRA	8/27/2018	8/29/2018	< 0.05
AB34025LD	Lost Bridge West (Lab Duplicate)	8/27/2018	8/29/2018	< 0.05
AB34026	Potato Creek (Field Duplicate)	8/27/2018	8/29/2018	< 0.05
AB34023	Mississinewa Lake Miami SRA	8/27/2018	8/29/2018	< 0.05
AB34028	Dog Park Lake	8/27/2018	8/29/2018	1.76
20180828LB	Lab Blank	8/28/2018	8/29/2018	< 0.05



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/29/2018 11:35:59 AM						
Std1	Cylindrospermopsin 1X	1.076 Abs	0.001 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.091 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.896 Abs	0.048 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.881 Abs	0.054 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.752 Abs	0.126 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.823 Abs	0.082 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.629 Abs	0.249 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.653 Abs	0.218 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.495 Abs	0.534 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.512 Abs	0.481 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.392 Abs	1.105 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.388 Abs	1.143 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.321 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.359 Abs	1.485 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.442 Abs	0.756 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.477 Abs	0.598 ng/mL			H02
AB34027	Cylindrospermopsin 1X	1.106 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB34027	Cylindrospermopsin 1X	1.125 Abs [1.1155] {1.2 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB34024	Cylindrospermopsin 1X	1.096 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB34024	Cylindrospermopsin 1X	1.092 Abs [1.0940] {0.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB34025	Cylindrospermopsin 1X	1.045 Abs	0.006 ng/mL	LOW	0.050 - 2.000	E03
AB34025	Cylindrospermopsin 1X	1.103 Abs [1.0740] {3.8 CV}	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	F03
AB34025LD	Cylindrospermopsin 1X	1.092 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB34025LD	Cylindrospermopsin 1X	1.125 Abs [1.1085] {2.1 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB34026	Cylindrospermopsin 1X	1.093 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB34026	Cylindrospermopsin 1X	1.114 Abs [1.1035] {1.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB34023	Cylindrospermopsin 1X	1.054 Abs	0.004 ng/mL	LOW	0.050 - 2.000	C04
AB34023	Cylindrospermopsin 1X	1.055 Abs [1.0545] {0.1 CV}	0.004 ng/mL [0.004] {0.0 CV}	Low [Low]	0.050 - 2.000	D04
AB34028	Cylindrospermopsin 1X	0.319 Abs	> 2.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB34028	Cylindrospermopsin 1X	0.366 Abs [0.3425] {9.7 CV}	1.389 ng/mL [1.757]		0.050 - 2.000	F04
20180828LB	Cylindrospermopsin 1X	1.085 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
20180828LB	Cylindrospermopsin 1X	1.117 Abs [1.1010] {2.1 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04

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

8/29/2018

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
8/29/2018 11:35:59 AM			
Std1	1.076 Abs	0.001 ng/mL	A01
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Std6	0.388 Abs	1.143 ng/mL	D02
Std7	0.321 Abs	> 2.000 ng/mL	E02
Std7	0.359 Abs	1.485 ng/mL	F02
8/29/2018 11:35:59 AM			
Normal Control	0.477 Abs	0.598 ng/mL	H02
Normal Control	0.442 Abs	0.756 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.083	0.011	0.98				
Std2	0.888	0.011	1.19	0.051	0.004	8.32	2.00
Std3	0.788	0.050	6.38	0.104	0.031	29.92	4.00
Std4	0.641	0.017	2.65	0.234	0.022	9.39	-6.40
Std5	0.503	0.012	2.39	0.507	0.037	7.38	1.40
Std6	0.390	0.003	0.73	1.124	0.027	2.39	12.40
Std7	0.340	0.027	7.90				-100.00
Normal Control	0.460	0.025	5.39	0.677	0.112	16.50	

