



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33720	Pokagon SP	7/16/2018	7/19/2018	< 0.05
AB33721	Potawatomi Inn's Beach	7/16/2018	7/19/2018	< 0.05
AB33722	Chain O'Lakes SP	7/16/2018	7/19/2018	< 0.05
AB33723	Kunkel Beach @ Quabache SP	7/16/2018	7/19/2018	< 0.05
AB33724	Potawatomi Inn (Field Duplicate)	7/16/2018	7/19/2018	< 0.05
AB33725	Field Blank	7/16/2018	7/19/2018	< 0.05
AB33726	Lost Bridge West SRA	7/16/2018	7/19/2018	< 0.05
AB33727	Mississinewa Lake Miami SRA	7/16/2018	7/19/2018	< 0.05
AB33727LD	Mississinewa (Lab Duplicate)	7/16/2018	7/19/2018	< 0.05
AB33728	Potato Creek SP	7/16/2018	7/19/2018	< 0.05
AB33730	Field Blank	7/16/2018	7/19/2018	< 0.05
AB33692	Dog Park Lake	7/16/2018	7/19/2018	< 0.05
20180717LB	Lab Blank	7/17/2018	7/19/2018	< 0.05



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/19/2018 11:42:26 AM						
Std1	Cylindrospermopsin 1X	1.053 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.045 Abs	0.001 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.891 Abs	0.043 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.862 Abs	0.054 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.748 Abs	0.112 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.763 Abs	0.103 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.602 Abs	0.247 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.621 Abs	0.223 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.486 Abs	0.478 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.472 Abs	0.522 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.373 Abs	1.105 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.370 Abs	1.137 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.304 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.351 Abs	1.377 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.445 Abs	0.624 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.453 Abs	0.591 ng/mL			H02
AB33720	Cylindrospermopsin 1X	0.982 Abs	0.015 ng/mL	LOW	0.050 - 2.000	A03
AB33720	Cylindrospermopsin 1X	1.023 Abs [1.0025] {2.9 CV}	0.005 ng/mL [0.010] {70.7 CV}	Low [Low]	0.050 - 2.000	B03
AB33721	Cylindrospermopsin 1X	0.978 Abs	0.016 ng/mL	LOW	0.050 - 2.000	C03
AB33721	Cylindrospermopsin 1X	0.997 Abs [0.9875] {1.4 CV}	0.011 ng/mL [0.013] {26.2 CV}	Low [Low]	0.050 - 2.000	D03
AB33722	Cylindrospermopsin 1X	1.003 Abs	0.009 ng/mL	LOW	0.050 - 2.000	E03
AB33722	Cylindrospermopsin 1X	1.055 Abs [1.0290] {3.6 CV}	< 0.000 ng/mL [0.004]	Out(LR) [Low]	0.050 - 2.000	F03
AB33723	Cylindrospermopsin 1X	1.001 Abs	0.010 ng/mL	LOW	0.050 - 2.000	G03
AB33723	Cylindrospermopsin 1X	1.076 Abs [1.0385] {5.1 CV}	< 0.000 ng/mL [0.002]	Out(LR) [Low]	0.050 - 2.000	H03
AB33724	Cylindrospermopsin 1X	1.024 Abs	0.005 ng/mL	LOW	0.050 - 2.000	A04
AB33724	Cylindrospermopsin 1X	0.989 Abs [1.0065] {2.5 CV}	0.013 ng/mL [0.009] {62.9 CV}	Low [Low]	0.050 - 2.000	B04
AB33725	Cylindrospermopsin 1X	1.044 Abs	0.001 ng/mL	LOW	0.050 - 2.000	C04
AB33725	Cylindrospermopsin 1X	1.011 Abs [1.0275] {2.3 CV}	0.008 ng/mL [0.004] {110.0 CV}	Low [Low]	0.050 - 2.000	D04
AB33726	Cylindrospermopsin 1X	1.038 Abs	0.002 ng/mL	LOW	0.050 - 2.000	E04
AB33726	Cylindrospermopsin 1X	1.057 Abs [1.0475] {1.3 CV}	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	F04
AB33727	Cylindrospermopsin 1X	1.040 Abs	0.002 ng/mL	LOW	0.050 - 2.000	G04
AB33727	Cylindrospermopsin 1X	1.060 Abs [1.0500] {1.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB33727LD	Cylindrospermopsin 1X	1.022 Abs	0.005 ng/mL	LOW	0.050 - 2.000	A05
AB33727LD	Cylindrospermopsin 1X	1.035 Abs [1.0285] {0.9 CV}	0.003 ng/mL [0.004] {35.4 CV}	Low [Low]	0.050 - 2.000	B05
AB33728	Cylindrospermopsin 1X	1.021 Abs	0.005 ng/mL	LOW	0.050 - 2.000	C05
AB33728	Cylindrospermopsin 1X	1.010 Abs [1.0155] {0.8 CV}	0.008 ng/mL [0.007] {32.6 CV}	Low [Low]	0.050 - 2.000	D05
AB33730	Cylindrospermopsin 1X	1.026 Abs	0.004 ng/mL	LOW	0.050 - 2.000	E05
AB33730	Cylindrospermopsin 1X	1.067 Abs [1.0465] {2.8 CV}	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	F05
AB33692	Cylindrospermopsin 1X	1.026 Abs	0.004 ng/mL	LOW	0.050 - 2.000	G05
AB33692	Cylindrospermopsin 1X	1.047 Abs [1.0365] {1.4 CV}	0.000 ng/mL [0.002] {141.4 CV}	Low [Low]	0.050 - 2.000	H05
20180717LB	Cylindrospermopsin 1X	0.988 Abs	0.013 ng/mL	LOW	0.050 - 2.000	A06
20180717LB	Cylindrospermopsin 1X	0.966 Abs [0.9770] {1.6 CV}	0.019 ng/mL [0.016] {26.5 CV}	Low [Low]	0.050 - 2.000	B06

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

7/19/2018

Date



Assay Calibration Report

Assay Information

Assay Name: Cylindrospermopsin 1X Units: ng/mL
Assay Mode: 4-Parameter Logistic Weight # of decimals: 3
Normal: 0.0002.000 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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/19/2018 11:42:26 AM			
Std1	1.053 Abs	< 0.000 ng/mL	A01
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Std7	0.351 Abs	1.377 ng/mL	F02
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Normal Control	0.453 Abs	0.591 ng/mL	H02
Normal Control	0.445 Abs	0.624 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.049	0.006	0.54				
Std2	0.877	0.021	2.34	0.049	0.008	16.04	-2.00
Std3	0.756	0.011	1.40	0.108	0.006	5.92	8.00
Std4	0.612	0.013	2.20	0.235	0.017	7.22	-6.00
Std5	0.479	0.010	2.07	0.500	0.031	6.22	0.00
Std6	0.372	0.002	0.57	1.121	0.023	2.02	12.10
Std7	0.327	0.033	10.15				-100.00
Normal Control	0.449	0.006	1.26	0.608	0.023	3.84	

