



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33731	Fairfax SRA	7/23/2018	7/26/2018	< 0.05
AB33732	Hardy Lake SRA	7/23/2018	7/26/2018	< 0.05
AB33733	Paynetown SRA	7/23/2018	7/26/2018	< 0.05
AB33734	Quakertown SRA	7/24/2018	7/26/2018	< 0.05
AB33735	Raccoon Lake SRA	7/23/2018	7/26/2018	< 0.05
AB33736	Starve Hollow SRA	7/23/2018	7/26/2018	< 0.05
AB33737	Whitewater Memorial SP	7/24/2018	7/26/2018	< 0.05
AB33738	Raccoon Lake (Field Duplicate)	7/23/2018	7/26/2018	< 0.05
AB33739	Field Blank	7/23/2018	7/26/2018	< 0.05
AB33740	Dog Park Lake	7/23/2018	7/26/2018	< 0.05
AB33755	Deam Lake SRA	7/24/2018	7/26/2018	< 0.05
AB33731LD	Fairfax (Lab Duplicate)	7/23/2018	7/26/2018	< 0.05
20180724LB	Lab Blank	7/24/2018	7/26/2018	< 0.05



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/26/2018 12:32:29 PM						
Std1	Cylindrospermopsin 1X	0.991 Abs	0.008 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.051 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.869 Abs	0.050 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.882 Abs	0.045 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.738 Abs	0.122 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.787 Abs	0.091 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.595 Abs	0.267 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.628 Abs	0.224 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.479 Abs	0.523 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.503 Abs	0.450 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.384 Abs	1.070 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.379 Abs	1.121 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.307 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.358 Abs	1.390 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.440 Abs	0.680 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.455 Abs	0.612 ng/mL			H02
AB33731	Cylindrospermopsin 1X	1.005 Abs	0.004 ng/mL	LOW	0.050 - 2.000	A03
AB33731	Cylindrospermopsin 1X	1.030 Abs [1.0175] {1.7 C	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	B03
AB33732	Cylindrospermopsin 1X	1.030 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB33732	Cylindrospermopsin 1X	1.047 Abs [1.0385] {1.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB33733	Cylindrospermopsin 1X	1.001 Abs	0.005 ng/mL	LOW	0.050 - 2.000	E03
AB33733	Cylindrospermopsin 1X	1.055 Abs [1.0280] {3.7 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB33734	Cylindrospermopsin 1X	1.057 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB33734	Cylindrospermopsin 1X	1.073 Abs [1.0650] {1.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB33735	Cylindrospermopsin 1X	1.070 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB33735	Cylindrospermopsin 1X	1.073 Abs [1.0715] {0.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB33736	Cylindrospermopsin 1X	1.064 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB33736	Cylindrospermopsin 1X	1.061 Abs [1.0625] {0.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB33737	Cylindrospermopsin 1X	1.053 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB33737	Cylindrospermopsin 1X	1.108 Abs [1.0805] {3.6 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
AB33738	Cylindrospermopsin 1X	1.071 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB33738	Cylindrospermopsin 1X	1.124 Abs [1.0975] {3.4 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB33739	Cylindrospermopsin 1X	1.076 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A05
AB33739	Cylindrospermopsin 1X	1.073 Abs [1.0745] {0.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B05
AB33740	Cylindrospermopsin 1X	0.981 Abs	0.011 ng/mL	LOW	0.050 - 2.000	C05
AB33740	Cylindrospermopsin 1X	1.009 Abs [0.9950] {2.0 C	0.003 ng/mL [0.007] {80.8 CV}	Low [Low]	0.050 - 2.000	D05
AB33755	Cylindrospermopsin 1X	1.007 Abs	0.004 ng/mL	LOW	0.050 - 2.000	E05
AB33755	Cylindrospermopsin 1X	1.055 Abs [1.0310] {3.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F05
AB33731LD	Cylindrospermopsin 1X	1.035 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB33731LD	Cylindrospermopsin 1X	1.073 Abs [1.0540] {2.5 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H05
20180724LB	Cylindrospermopsin 1X	1.067 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A06
20180724LB	Cylindrospermopsin 1X	1.087 Abs [1.0770] {1.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	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

7/26/2018

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
7/26/2018 12:32:29 PM			
Std1	0.991 Abs	0.008 ng/mL	A01
Std1	1.051 Abs	< 0.000 ng/mL	B01
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Std6	0.384 Abs	1.070 ng/mL	C02
Std6	0.379 Abs	1.121 ng/mL	D02
Std7	0.307 Abs	> 2.000 ng/mL	E02
Std7	0.358 Abs	1.390 ng/mL	F02
7/26/2018 12:32:29 PM			
Normal Control	0.455 Abs	0.612 ng/mL	H02
Normal Control	0.440 Abs	0.680 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.021	0.042	4.16				
Std2	0.876	0.009	1.05	0.047	0.004	7.44	-6.00
Std3	0.762	0.035	4.54	0.106	0.022	20.58	6.00
Std4	0.612	0.023	3.82	0.245	0.030	12.39	-2.00
Std5	0.491	0.017	3.46	0.486	0.052	10.61	-2.80
Std6	0.382	0.004	0.93	1.095	0.036	3.29	9.50
Std7	0.333	0.036	10.85				-100.00
Normal Control	0.447	0.011	2.37	0.646	0.048	7.44	

