



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26462	Paynetown (Field Duplicate)	8/8/2016	8/10/2016	< 0.050
AB26463	Field Blank	8/8/2016	8/10/2016	< 0.050
AB26464	Paynetown SRA	8/8/2016	8/10/2016	< 0.050
AB26465	Raccoon Lake SRA	8/8/2016	8/10/2016	< 0.050
AB26466	Whitewater Memorial SP	8/9/2016	8/10/2016	0.068
AB26466LD	Whitewater (Lab Duplicate)	8/9/2016	8/10/2016	0.085
AB26467	Quakertown SRA	8/9/2016	8/10/2016	0.101
AB26468	Mounds SRA	8/9/2016	8/10/2016	0.101
AB26469	Hardy Lake SRA	8/9/2016	8/10/2016	< 0.050
20160808LB	Lab Blank	8/8/2016	8/10/2016	< 0.050



Assay Calibration Report

Assay Information

Assay Name: Cylindrospermopsin 1X Units: ng/mL
 Assay Mode: 4-Parameter Logistic # of decimals: 3
 Normal: 0.050 - 2.000 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

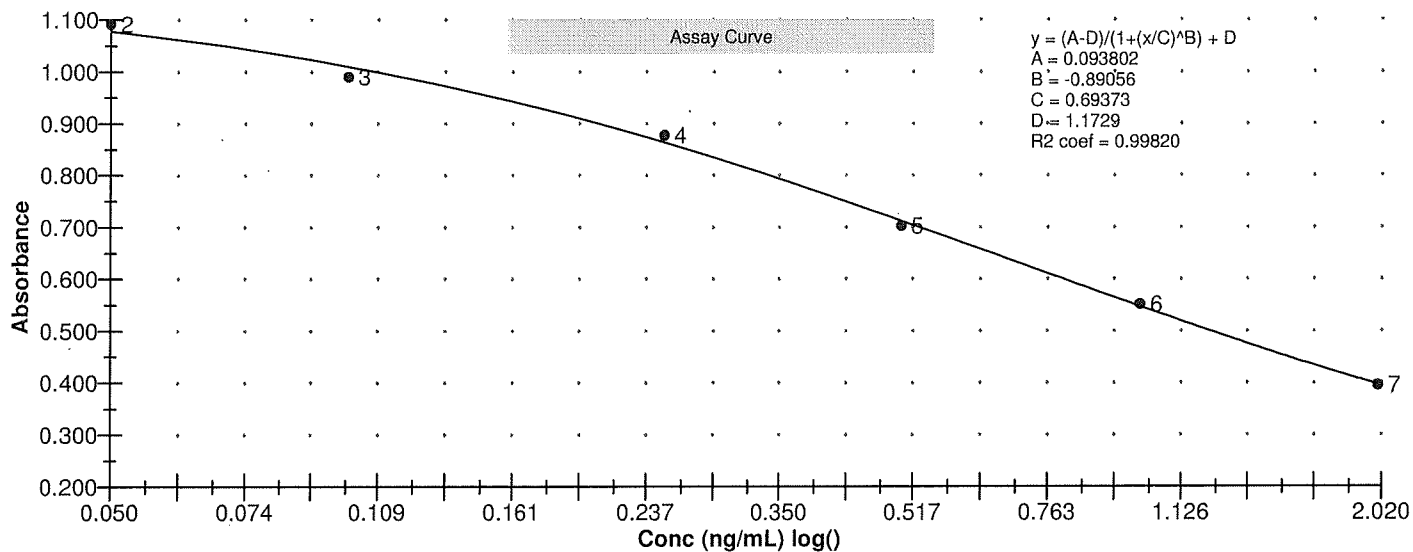
Curve valid interval: 7 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/10/2016 4:47:43 PM			
Std1	1.161 Abs	0.000 ng/mL	A01
Std1	1.180 Abs	< 0.000 ng/mL	B01
Std2	1.094 Abs	0.040 ng/mL	C01
Std2	1.091 Abs	0.042 ng/mL	D01
Std3	0.990 Abs	0.116 ng/mL	E01
Std4	0.873 Abs	0.237 ng/mL	G01
Std4	0.880 Abs	0.229 ng/mL	H01
Std5	0.707 Abs	0.510 ng/mL	A02
Std5	0.697 Abs	0.532 ng/mL	B02
Std6	0.540 Abs	1.028 ng/mL	C02
Std6	0.561 Abs	0.940 ng/mL	D02
Std7	0.395 Abs	> 2.000 ng/mL	E02
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Normal Control	0.656 Abs	0.631 ng/mL	H02
Normal Control	0.624 Abs	0.722 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.171	0.013	1.15				
Std2	1.092	0.002	0.19	0.041	0.001	3.45	-18.00
Std3	0.990			0.116			16.00
Std4	0.877	0.005	0.56	0.233	0.006	2.43	-6.80
Std5	0.702	0.007	1.01	0.521	0.016	2.99	4.20
Std6	0.551	0.015	2.70	0.984	0.062	6.32	-1.60
Std7	0.395						-100.00
Normal Control	0.640	0.023	3.54	0.676	0.064	9.51	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/10/2016 4:47:43 PM						
Std1	Cylindrospermopsin 1X	1.161 Abs	0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.180 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.094 Abs	0.048 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.091 Abs	0.050 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.990 Abs	0.127 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	1.044 Abs	0.084 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.873 Abs	0.244 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.880 Abs	0.235 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.707 Abs	0.504 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.697 Abs	0.526 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.540 Abs	1.045 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.561 Abs	0.947 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.395 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.448 Abs	1.698 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.624 Abs	0.722 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.656 Abs	0.631 ng/mL			H02
AB26462	Cylindrospermopsin 1X	1.169 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB26462	Cylindrospermopsin 1X	1.167 Abs [1.1680] [0.1 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B03
AB26463	Cylindrospermopsin 1X	1.172 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB26463	Cylindrospermopsin 1X	1.202 Abs [1.1870] [1.8 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB26464	Cylindrospermopsin 1X	1.120 Abs	0.025 ng/mL	LOW	0.050 - 2.000	E03
AB26464	Cylindrospermopsin 1X	1.232 Abs [1.1760] [6.7 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB26465	Cylindrospermopsin 1X	1.264 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB26465	Cylindrospermopsin 1X	1.328 Abs [1.2960] [3.5 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB26466	Cylindrospermopsin 1X	0.957 Abs	0.146 ng/mL		0.050 - 2.000	A04
AB26466	Cylindrospermopsin 1X	1.148 Abs [1.0525] [12.8	0.000 ng/mL [0.068] [141.4 CV	LOW	0.050 - 2.000	B04
AB26466LD	Cylindrospermopsin 1X	0.957 Abs	0.146 ng/mL		0.050 - 2.000	C04
AB26466LD	Cylindrospermopsin 1X	1.100 Abs [1.0285] [9.8 C	0.036 ng/mL [0.085] [85.5 CV	LOW	0.050 - 2.000	D04
AB26467	Cylindrospermopsin 1X	0.918 Abs	0.186 ng/mL		0.050 - 2.000	E04
AB26467	Cylindrospermopsin 1X	1.098 Abs [1.0080] [12.6	0.038 ng/mL [0.101] [93.4 CV	LOW	0.050 - 2.000	F04
AB26468	Cylindrospermopsin 1X	0.946 Abs	0.157 ng/mL		0.050 - 2.000	G04
AB26468	Cylindrospermopsin 1X	1.070 Abs [1.0080] [8.7 C	0.055 ng/mL [0.101] [68.0 CV		0.050 - 2.000	H04
AB26469	Cylindrospermopsin 1X	1.112 Abs	0.029 ng/mL	LOW	0.050 - 2.000	A05
AB26469	Cylindrospermopsin 1X	1.156 Abs [1.1340] [2.7 C	0.000 ng/mL [0.000] [141.4 CV	Low [Low]	0.050 - 2.000	B05
20160808LB	Cylindrospermopsin 1X	1.036 Abs	0.080 ng/mL		0.050 - 2.000	C05
20160808LB	Cylindrospermopsin 1X	1.127 Abs [1.0815] [5.9 C	0.021 ng/mL [0.048] [82.6 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

8/11/16

Date