



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26643	Fairfax SRA	8/22/2016	8/24/2016	< 0.050
AB26644	Paynetown SRA	8/22/2016	8/24/2016	< 0.050
AB26645	Starve Hollow SRA	8/22/2016	8/24/2016	< 0.050
AB26646	Deam Lake SRA	8/22/2016	8/24/2016	< 0.050
AB26646LD	Deam Lake (Lab Duplicate)	8/22/2016	8/24/2016	< 0.050
AB26647	Hardy Lake SRA	8/22/2016	8/24/2016	< 0.050
AB26651	Fairfax (Field Duplicate)	8/22/2016	8/24/2016	< 0.050
AB26652	Field Blank	8/22/2016	8/24/2016	< 0.050
AB26648	Quakertown SRA	8/23/2016	8/24/2016	< 0.050
AB26649	Mounds SRA	8/23/2016	8/24/2016	< 0.050
AB26650	Raccoon Lake SRA	8/23/2016	8/24/2016	< 0.050
AB26688	Whitewater Memorial SP	8/23/2016	8/24/2016	< 0.050
20160822LB	Lab Blank	8/22/2016	8/24/2016	< 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

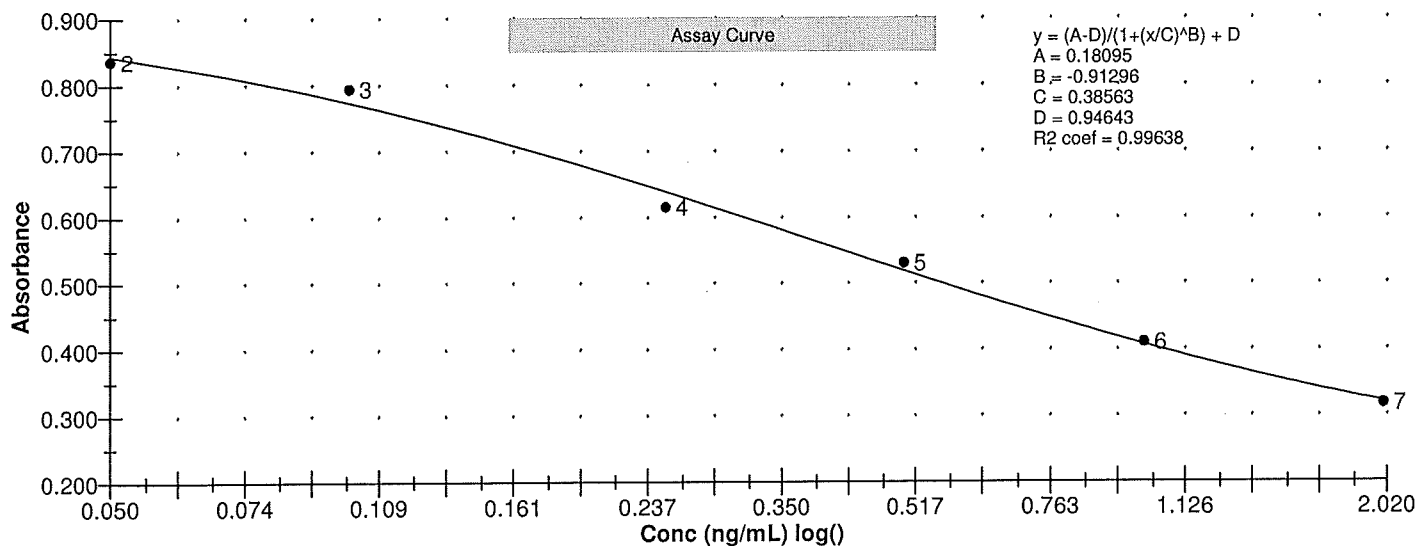
Standards:

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
8/24/2016 11:36:58 AM			
Std1	0.948 Abs	< 0.000 ng/mL	A01
Std1	0.944 Abs	0.000 ng/mL	B01
Std2	0.829 Abs	0.059 ng/mL	C01
Std2	0.842 Abs	0.051 ng/mL	D01
Std3	0.760 Abs	0.111 ng/mL	E01
Std3	0.829 Abs	0.059 ng/mL	F01
Std4	0.635 Abs	0.255 ng/mL	G01
Std4	0.596 Abs	0.320 ng/mL	H01
Std5	0.519 Abs	0.499 ng/mL	A02
Std5	0.541 Abs	0.439 ng/mL	B02
Std6	0.402 Abs	1.036 ng/mL	C02
Std6	0.417 Abs	0.934 ng/mL	D02
Std7	0.317 Abs	> 2.000 ng/mL	E02
8/24/2016 11:36:58 AM			
Normal Control	0.513 Abs	0.517 ng/mL	H02
Normal Control	0.473 Abs	0.655 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	0.946	0.003	0.30				
Std2	0.836	0.009	1.10	0.055	0.006	10.29	10.00
Std3	0.794	0.049	6.14	0.085	0.037	43.26	-15.00
Std4	0.615	0.028	4.48	0.287	0.046	15.99	14.80
Std5	0.530	0.016	2.94	0.469	0.042	9.05	-6.20
Std6	0.410	0.011	2.59	0.985	0.072	7.32	-1.50
Std7	0.317						-100.00
Normal Control	0.493	0.028	5.74	0.586	0.098	16.65	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/24/2016 11:36:58 AM						
Std1	Cylindrospermopsin 1X	0.948 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	0.944 Abs	0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.829 Abs	0.062 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.842 Abs	0.054 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.760 Abs	0.111 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.829 Abs	0.062 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.635 Abs	0.248 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.596 Abs	0.311 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.519 Abs	0.490 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.541 Abs	0.429 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.402 Abs	1.134 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.417 Abs	0.998 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.317 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.383 Abs	1.354 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.473 Abs	0.655 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.513 Abs	0.517 ng/mL			H02
AB26643	Cylindrospermopsin 1X	0.984 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB26643	Cylindrospermopsin 1X	0.902 Abs [0.9430] {6.1 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B03
AB26644	Cylindrospermopsin 1X	0.929 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB26644	Cylindrospermopsin 1X	0.950 Abs [0.9395] {1.6 C	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	D03
AB26645	Cylindrospermopsin 1X	0.940 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E03
AB26645	Cylindrospermopsin 1X	1.011 Abs [0.9755] {5.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB26646	Cylindrospermopsin 1X	0.930 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G03
AB26646	Cylindrospermopsin 1X	0.937 Abs [0.9335] {0.5 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H03
AB26646LD	Cylindrospermopsin 1X	0.914 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A04
AB26646LD	Cylindrospermopsin 1X	0.923 Abs [0.9185] {0.7 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B04
AB26647	Cylindrospermopsin 1X	1.007 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB26647	Cylindrospermopsin 1X	0.991 Abs [0.9990] {1.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB26648	Cylindrospermopsin 1X	0.962 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB26648	Cylindrospermopsin 1X	1.023 Abs [0.9925] {4.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
AB26649	Cylindrospermopsin 1X	0.996 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB26649	Cylindrospermopsin 1X	1.024 Abs [1.0100] {2.0 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB26650	Cylindrospermopsin 1X	0.936 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A05
AB26650	Cylindrospermopsin 1X	0.929 Abs [0.9325] {0.5 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B05
AB26651	Cylindrospermopsin 1X	0.960 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB26651	Cylindrospermopsin 1X	0.923 Abs [0.9415] {2.8 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D05
AB26652	Cylindrospermopsin 1X	0.960 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB26652	Cylindrospermopsin 1X	1.004 Abs [0.9820] {3.2 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F05
AB26688	Cylindrospermopsin 1X	0.963 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB26688	Cylindrospermopsin 1X	1.012 Abs [0.9875] {3.5 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H05
20160822LB	Cylindrospermopsin 1X	1.013 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A06
20160822LB	Cylindrospermopsin 1X	0.986 Abs [0.9995] {1.9 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

8/25/16
Date