



## Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30236	Fairfax SRA	8/7/2017	8/10/2017	< 0.05
AB30237	Paynetown SRA	8/7/2017	8/10/2017	< 0.05
AB30237LD	Paynetown (Lab Duplicate)	8/7/2017	8/10/2017	< 0.05
AB30238	Starve Hollow SRA	8/7/2017	8/10/2017	0.234
AB30239	Deam Lake SRA	8/7/2017	8/10/2017	< 0.05
AB30240	Hardy Lake SRA	8/7/2017	8/10/2017	< 0.05
AB30241	Whitewater Memorial SP	8/8/2017	8/10/2017	< 0.05
AB30242	Quakertown SRA	8/8/2017	8/10/2017	< 0.05
AB30243	Mounds SRA	8/8/2017	8/10/2017	< 0.05
AB30244	Raccoon Lake SRA	8/8/2017	8/10/2017	< 0.05
AB30234	Mounds (Field Duplicate)	8/8/2017	8/10/2017	< 0.05
AB30235	Field Blank	8/8/2017	8/10/2017	< 0.05
20170808LB	Lab Blank	8/8/2017	8/10/2017	< 0.05



# 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

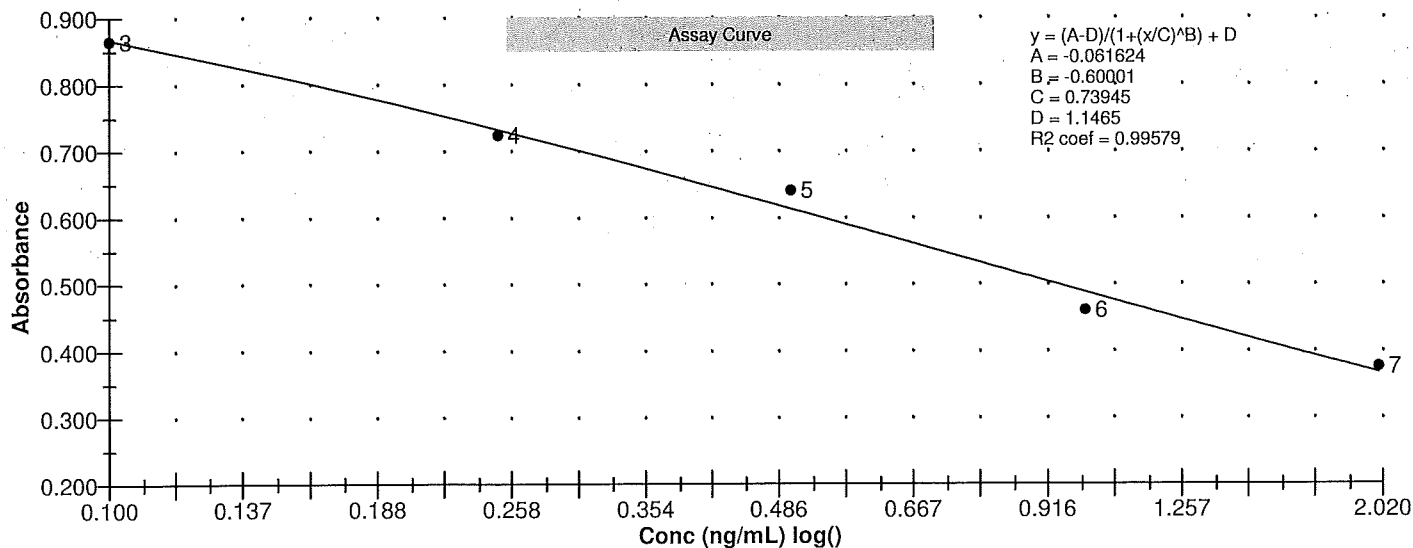
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/10/2017 11:54:00 AM			
Std1	1.147 Abs	< 0.000 ng/mL	B01
Std3	0.896 Abs	0.079 ng/mL	E01
Std3	0.833 Abs	0.129 ng/mL	F01
Std4	0.724 Abs	0.263 ng/mL	G01
Std5	0.641 Abs	0.427 ng/mL	A02
Std6	0.470 Abs	1.105 ng/mL	C02
Std6	0.453 Abs	1.216 ng/mL	D02
Std7	0.360 Abs	> 2.000 ng/mL	E02
Std7	0.391 Abs	1.736 ng/mL	F02
8/10/2017 11:54:00 AM			
Normal Control	0.483 Abs	1.028 ng/mL	H02
Normal Control	0.570 Abs	0.635 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.147						
Std3	0.865	0.045	5.15	0.104	0.035	34.00	4.00
Std4	0.724			0.263			5.20
Std5	0.641			0.427			-14.60
Std6	0.461	0.012	2.60	1.161	0.078	6.76	16.10
Std7	0.376	0.022	5.84				-100.00
Normal Control	0.526	0.062	11.68	0.831	0.278	33.42	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/10/2017 11:54:00 AM						
Std1	Cylindrospermopsin 1X	1.062 Abs	0.026 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.147 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.083 Abs	0.000 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.071 Abs	0.023 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.896 Abs	0.103 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.833 Abs	0.143 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.724 Abs	0.238 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.550 Abs	0.562 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.641 Abs	0.350 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.686 Abs	0.283 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.470 Abs	0.960 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.453 Abs	1.108 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.360 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.391 Abs	> 2.000 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.570 Abs	0.635 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.483 Abs	1.028 ng/mL			H02
AB30236	Cylindrospermopsin 1X	1.203 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB30236	Cylindrospermopsin 1X	1.086 Abs [1.1445] {7.2 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B03
AB30237	Cylindrospermopsin 1X	1.107 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB30237	Cylindrospermopsin 1X	1.194 Abs [1.1505] {5.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB30237LD	Cylindrospermopsin 1X	1.163 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB30237LD	Cylindrospermopsin 1X	0.908 Abs [1.0355] {17.4	0.071 ng/mL [0.000]	[Low]	0.050 - 2.000	F03
AB30238	Cylindrospermopsin 1X	0.827 Abs	0.134 ng/mL		0.050 - 2.000	G03
AB30238	Cylindrospermopsin 1X	0.659 Abs [0.7430] {16.0	0.386 ng/mL [0.234] {68.5 CV}		0.050 - 2.000	H03
AB30239	Cylindrospermopsin 1X	1.022 Abs	0.020 ng/mL	LOW	0.050 - 2.000	A04
AB30239	Cylindrospermopsin 1X	1.079 Abs [1.0505] {3.8 C	0.000 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	B04
AB30240	Cylindrospermopsin 1X	1.005 Abs	0.025 ng/mL	LOW	0.050 - 2.000	C04
AB30240	Cylindrospermopsin 1X	0.932 Abs [0.9685] {5.3 C	0.057 ng/mL [0.040] {55.2 CV}	[Low]	0.050 - 2.000	D04
AB30245	Cylindrospermopsin 1X	0.907 Abs	0.072 ng/mL		0.050 - 2.000	E04
AB30245	Cylindrospermopsin 1X	1.103 Abs [1.0050] {13.8	0.000 ng/mL [0.025] {141.4 CV	Low [Low]	0.050 - 2.000	F04
AB30241	Cylindrospermopsin 1X	1.044 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G04
AB30241	Cylindrospermopsin 1X	1.108 Abs [1.0760] {4.2 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H04
AB30242	Cylindrospermopsin 1X	1.006 Abs	0.025 ng/mL	LOW	0.050 - 2.000	A05
AB30242	Cylindrospermopsin 1X	1.111 Abs [1.0585] {7.0 C	0.000 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	B05
AB30243	Cylindrospermopsin 1X	1.193 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB30243	Cylindrospermopsin 1X	1.222 Abs [1.2075] {1.7 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D05
AB30244	Cylindrospermopsin 1X	1.161 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB30244	Cylindrospermopsin 1X	1.100 Abs [1.1305] {3.8 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F05
AB30234	Cylindrospermopsin 1X	1.350 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB30234	Cylindrospermopsin 1X	0.966 Abs [1.1580] {23.4	0.041 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H05
AB30235	Cylindrospermopsin 1X	1.237 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A06
AB30235	Cylindrospermopsin 1X	1.292 Abs [1.2645] {3.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B06
20170808LB	Cylindrospermopsin 1X	1.194 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C06
20170808LB	Cylindrospermopsin 1X	1.216 Abs [1.2050] {1.3 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D06

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

8/10/2017

Date