



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB28356	Mississinewa (Field Duplicate)	8/1/2016	8/3/2016	< 0.050
AB28357	Field Blank	8/1/2016	8/3/2016	< 0.050
AB28358	Mississinewa Miami SRA	8/1/2016	8/3/2016	< 0.050
AB28359	Potato Creek SP	8/1/2016	8/3/2016	< 0.050
AB28360	Pokagon SP	8/2/2016	8/3/2016	< 0.050
AB28361	Southern Basin Inn's Beach	8/2/2016	8/3/2016	< 0.050
AB28361LD	Southern Basin (Lab Duplicate)	8/2/2016	8/3/2016	< 0.050
AB28362	Chain O'Lakes SP	8/2/2016	8/3/2016	< 0.050
AB28363	Lost Bridge West SRA	8/2/2016	8/3/2016	< 0.050
AB28364	Ferdinand SP	8/1/2016	8/3/2016	< 0.050
AB28365	Lincoln SP	7/31/2016	8/3/2016	1.67



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: 3
 Std2, Concentration = 0.050, Minimum number to use: 3
 Std3, Concentration = 0.100, Minimum number to use: 3
 Std4, Concentration = 0.250, Minimum number to use: 3
 Std5, Concentration = 0.500, Minimum number to use: 3
 Std6, Concentration = 1.000, Minimum number to use: 3
 Std7, Concentration = 2.000, Minimum number to use: 3

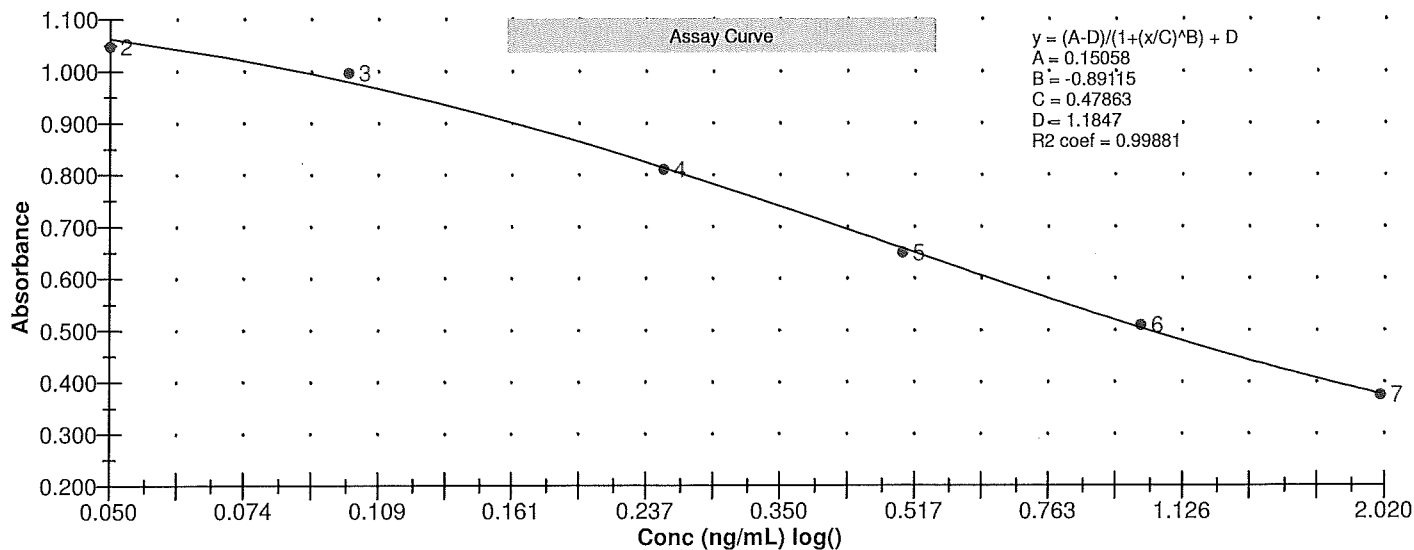
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/3/2016 2:41:21 PM			
Std1	1.212 Abs	< 0.000 ng/mL	A01
Std1	1.183 Abs	0.000 ng/mL	B01
Std1	1.165 Abs	0.000 ng/mL	C01
Std2	1.052 Abs	0.056 ng/mL	D01
Std2	1.016 Abs	0.076 ng/mL	E01
Std2	1.076 Abs	0.043 ng/mL	F01
Std3	0.971 Abs	0.106 ng/mL	G01
Std3	1.012 Abs	0.079 ng/mL	H01
Std3	1.009 Abs	0.081 ng/mL	A02
Std4	0.827 Abs	0.234 ng/mL	B02
Std4	0.820 Abs	0.242 ng/mL	C02
Std4	0.785 Abs	0.285 ng/mL	D02
Std5	0.620 Abs	0.589 ng/mL	E02
Std5	0.677 Abs	0.460 ng/mL	F02
Std5	0.654 Abs	0.508 ng/mL	G02
Std6	0.543 Abs	0.831 ng/mL	H02
Std6	0.499 Abs	1.024 ng/mL	A03
Std6	0.489 Abs	1.074 ng/mL	B03
Std7	0.382 Abs	1.932 ng/mL	C03
Std7	0.374 Abs	> 2.000 ng/mL	D03
Std7	0.370 Abs	> 2.000 ng/mL	E03
8/3/2016 2:41:21 PM			
Normal Control	0.578 Abs	0.709 ng/mL	H03
Normal Control	0.562 Abs	0.762 ng/mL	G03
Normal Control	0.560 Abs	0.769 ng/mL	F03

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.187	0.024	2.00				
Std2	1.048	0.030	2.88	0.058	0.017	28.50	16.00





Assay Calibration Report

Assay Information

Assay Name: Cyindrospermopsin 1X
Assay Mode: 4-Parameter Logistic
Normal: 0.050 - 2.000

Units: ng/mL
of decimals: 3
Assay Description:

Controls:
Normal Control

Standards:

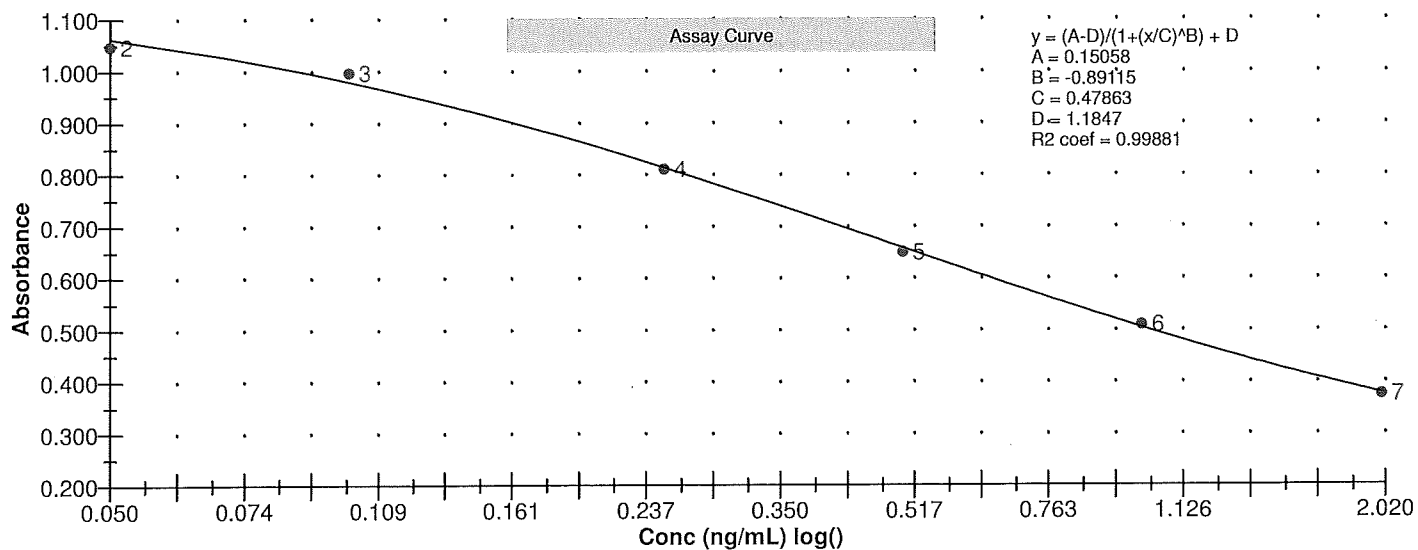
Std1, Concentration = 0.000, Minimum number to use: 3
Std2, Concentration = 0.050, Minimum number to use: 3
Std3, Concentration = 0.100, Minimum number to use: 3
Std4, Concentration = 0.250, Minimum number to use: 3
Std5, Concentration = 0.500, Minimum number to use: 3
Std6, Concentration = 1.000, Minimum number to use: 3
Std7, Concentration = 2.000, Minimum number to use: 3

Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std3	0.997	0.023	2.29	0.089	0.015	16.97	-11.00
Std4	0.811	0.023	2.78	0.254	0.027	10.81	1.60
Std5	0.650	0.029	4.41	0.519	0.065	12.56	3.80
Std6	0.510	0.029	5.63	0.976	0.128	13.14	-2.40
Std7	0.375	0.006	1.63				-100.00
Normal Control	0.567	0.010	1.74	0.747	0.033	4.39	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/3/2016 2:41:21 PM						
Std1	Cyindrospermopsin 1X	1.212 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cyindrospermopsin 1X	1.183 Abs	0.000 ng/mL		0.000	B01
Std1	Cyindrospermopsin 1X	1.165 Abs	0.000 ng/mL		0.000	C01
Std2	Cyindrospermopsin 1X	1.052 Abs	0.056 ng/mL		0.050	D01
Std2	Cyindrospermopsin 1X	1.016 Abs	0.076 ng/mL		0.050	E01
Std2	Cyindrospermopsin 1X	1.076 Abs	0.043 ng/mL		0.050	F01
Std3	Cyindrospermopsin 1X	0.971 Abs	0.106 ng/mL		0.100	G01
Std3	Cyindrospermopsin 1X	1.012 Abs	0.079 ng/mL		0.100	H01
Std3	Cyindrospermopsin 1X	1.009 Abs	0.081 ng/mL		0.100	A02
Std4	Cyindrospermopsin 1X	0.827 Abs	0.234 ng/mL		0.250	B02
Std4	Cyindrospermopsin 1X	0.820 Abs	0.242 ng/mL		0.250	C02
Std4	Cyindrospermopsin 1X	0.785 Abs	0.285 ng/mL		0.250	D02
Std5	Cyindrospermopsin 1X	0.620 Abs	0.589 ng/mL		0.500	E02
Std5	Cyindrospermopsin 1X	0.677 Abs	0.460 ng/mL		0.500	F02
Std5	Cyindrospermopsin 1X	0.654 Abs	0.508 ng/mL		0.500	G02
Std6	Cyindrospermopsin 1X	0.543 Abs	0.831 ng/mL		1.000	H02
Std6	Cyindrospermopsin 1X	0.499 Abs	1.024 ng/mL		1.000	A03
Std6	Cyindrospermopsin 1X	0.489 Abs	1.074 ng/mL		1.000	B03
Std7	Cyindrospermopsin 1X	0.382 Abs	1.932 ng/mL		2.000	C03
Std7	Cyindrospermopsin 1X	0.374 Abs	> 2.000 ng/mL		2.000	D03
Std7	Cyindrospermopsin 1X	0.370 Abs	> 2.000 ng/mL		2.000	E03
Normal Control	Cyindrospermopsin 1X	0.560 Abs	0.769 ng/mL			F03
Normal Control	Cyindrospermopsin 1X	0.562 Abs	0.762 ng/mL			G03
Normal Control	Cyindrospermopsin 1X	0.578 Abs	0.709 ng/mL			H03
AB28356	Cyindrospermopsin 1X	1.158 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A04
AB28356	Cyindrospermopsin 1X	1.222 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	B04
AB28356	Cyindrospermopsin 1X	1.181 Abs [1.1870] {2.7 C	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	C04
AB28357	Cyindrospermopsin 1X	1.114 Abs	0.025 ng/mL	LOW	0.050 - 2.000	D04
AB28357	Cyindrospermopsin 1X	1.099 Abs	0.032 ng/mL	LOW	0.050 - 2.000	E04
AB28357	Cyindrospermopsin 1X	1.180 Abs [1.1310] {3.8 C	0.000 ng/mL [0.000] {88.5 CV}	Low [Low]	0.050 - 2.000	F04
AB28358	Cyindrospermopsin 1X	1.153 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G04
AB28358	Cyindrospermopsin 1X	1.210 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	H04
AB28358	Cyindrospermopsin 1X	1.211 Abs [1.1913] {2.8 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	A05
AB28359	Cyindrospermopsin 1X	1.239 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	B05
AB28359	Cyindrospermopsin 1X	1.190 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB28359	Cyindrospermopsin 1X	1.200 Abs [1.2097] {2.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D05
AB28360	Cyindrospermopsin 1X	1.160 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E05
AB28360	Cyindrospermopsin 1X	1.183 Abs	0.000 ng/mL	LOW	0.050 - 2.000	F05
AB28360	Cyindrospermopsin 1X	1.114 Abs [1.1523] {3.0 C	0.025 ng/mL [0.000] {173.2 CV}	Low [Low]	0.050 - 2.000	G05
AB28361	Cyindrospermopsin 1X	1.263 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	H05
AB28361	Cyindrospermopsin 1X	1.169 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A06
AB28361	Cyindrospermopsin 1X	1.190 Abs [1.2073] {4.1 C	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B06
AB28361LD	Cyindrospermopsin 1X	1.181 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C06
AB28361LD	Cyindrospermopsin 1X	1.167 Abs	0.000 ng/mL	LOW	0.050 - 2.000	D06
AB28361LD	Cyindrospermopsin 1X	1.141 Abs [1.1630] {1.7 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	E06
AB28362	Cyindrospermopsin 1X	1.193 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	F06
AB28362	Cyindrospermopsin 1X	1.102 Abs	0.031 ng/mL	LOW	0.050 - 2.000	G06
AB28362	Cyindrospermopsin 1X	1.107 Abs [1.1340] {4.5 C	0.029 ng/mL [0.000] {4.7 CV}	Low [Low]	0.050 - 2.000	H06

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


Date




Test Report

Test Information						
Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
AB28363	Cylandrospermopsin 1X	1.092 Abs	0.035 ng/mL	LOW	0.050 - 2.000	A07
AB28363	Cylandrospermopsin 1X	1.185 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	B07
AB28363	Cylandrospermopsin 1X	1.146 Abs [1.1410] {4.1 C	0.000 ng/mL [0.000] {141.4 CV	Low [Low]	0.050 - 2.000	C07
AB28364	Cylandrospermopsin 1X	1.077 Abs	0.043 ng/mL	LOW	0.050 - 2.000	D07
AB28364	Cylandrospermopsin 1X	1.087 Abs	0.038 ng/mL	LOW	0.050 - 2.000	E07
AB28364	Cylandrospermopsin 1X	1.194 Abs [1.1193] {5.8 C	< 0.000 ng/mL [0.023] {8.7 CV}	Out(LR) [Low]	0.050 - 2.000	F07
AB28365	Cylandrospermopsin 1X	0.404 Abs	1.692 ng/mL		0.050 - 2.000	G07
AB28365	Cylandrospermopsin 1X	0.418 Abs	1.560 ng/mL		0.050 - 2.000	H07
AB28365	Cylandrospermopsin 1X	0.397 Abs [0.4063] {2.6 C	1.764 ng/mL [1.670] {6.2 CV}		0.050 - 2.000	A08
20160801LB	Cylandrospermopsin 1X	1.193 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	B08
20160801LB	Cylandrospermopsin 1X	1.174 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C08
20160801LB	Cylandrospermopsin 1X	1.181 Abs [1.1827] {0.8 C	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D08

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Date