Assay Calibration Report

Assay Information

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

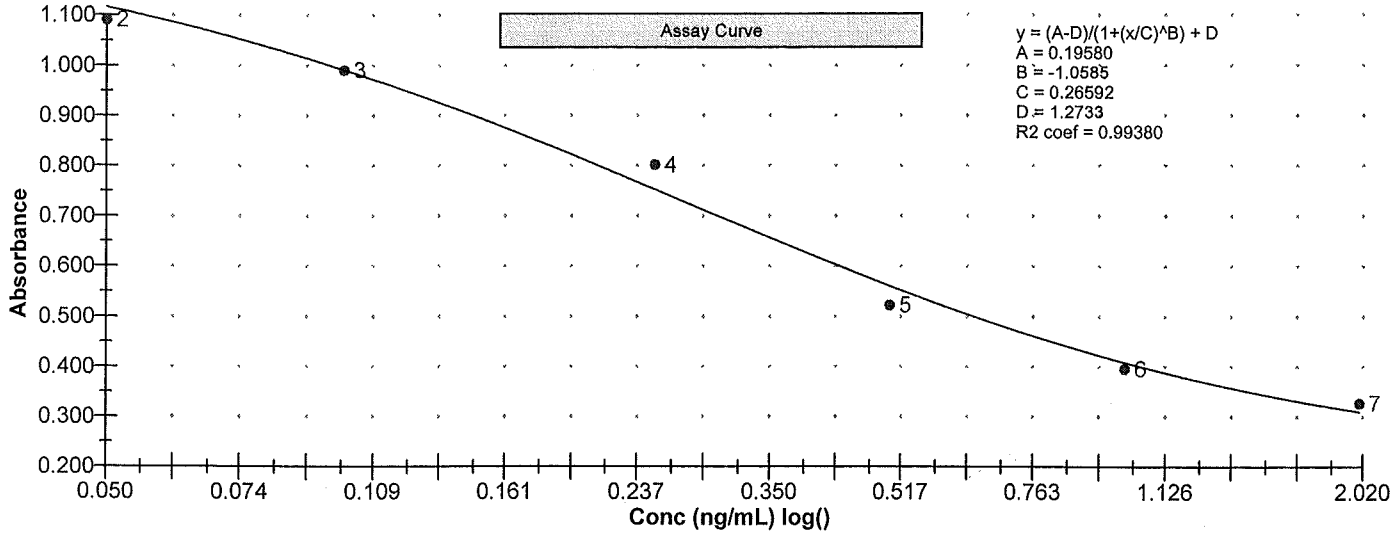
Units: ng/mL
# of decimals: 3
Assay Description:

Controls:
Normal Control
Standards:
Std1, Concentration = 0.000, Minimum number to use: 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
8/15/2012 5:47:38 PM			
Std1	1.260 Abs	0.004 ng/mL	A01
Std1	1.308 Abs	< 0.000 ng/mL	B01
Std2	1.082 Abs	0.063 ng/mL	C01
Std2	1.100 Abs	0.056 ng/mL	D01
Std3	0.964 Abs	0.113 ng/mL	E01
Std3	1.016 Abs	0.089 ng/mL	F01
Std4	0.759 Abs	0.244 ng/mL	G01
Std4	0.844 Abs	0.180 ng/mL	H01
Std5	0.536 Abs	0.552 ng/mL	A02
Std5	0.510 Abs	0.615 ng/mL	B02
Std6	0.381 Abs	1.174 ng/mL	C02
Std6	0.412 Abs	0.981 ng/mL	D02
Std7	0.322 Abs	1.794 ng/mL	E02
Std7	0.332 Abs	1.652 ng/mL	F02
8/15/2012 5:47:38 PM			
Normal Control	0.452 Abs	0.799 ng/mL	G02
Normal Control	0.493 Abs	0.662 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1 0	1.284	0.034	2.64				
Std2 1	1.091	0.013	1.17	0.060	0.005	8.32	20.00
Std3 2	0.990	0.037	3.71	0.101	0.017	16.80	1.00
Std4 3	0.801	0.060	7.50	0.212	0.045	21.35	-15.20
Std5 4	0.523	0.018	3.52	0.584	0.045	7.63	16.80
Std6 5	0.396	0.022	5.53	1.077	0.136	12.67	7.70
Std7 6	0.327	0.007	2.16	1.723	0.100	5.83	-13.85



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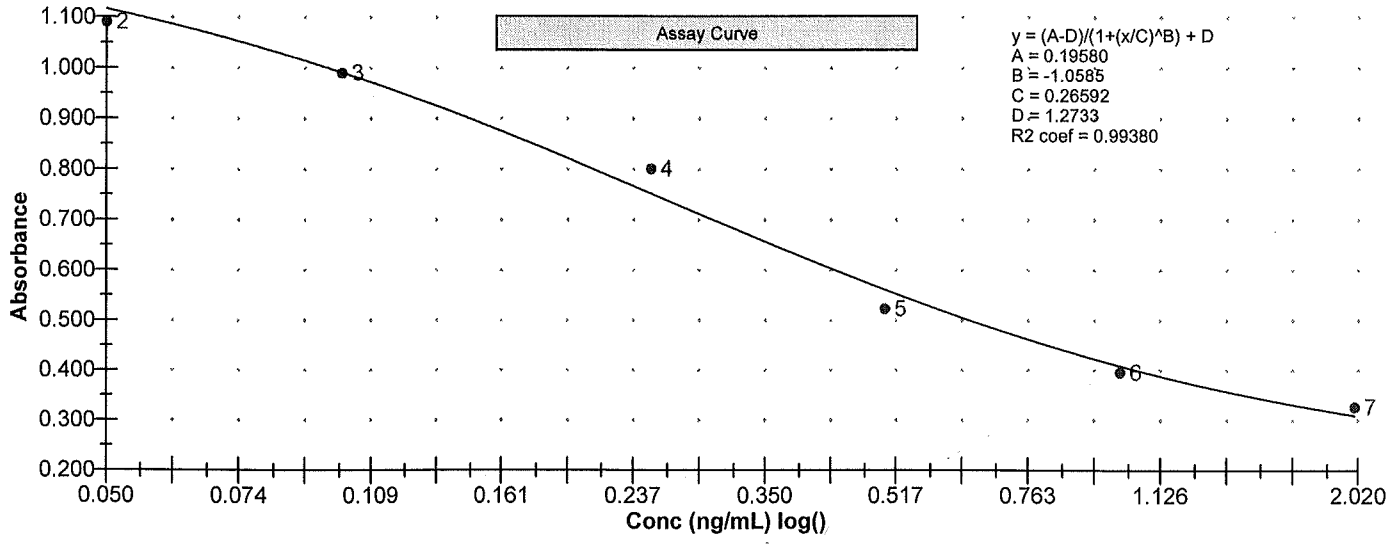
Std5, Concentration = 0.500, Minimum number to use: 2
Std6, Concentration = 1.000, Minimum number to use: 2
Std7, Concentration = 2.000, Minimum number to use: 2
Curve valid interval: 7 days 0 hours
Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Normal Control	0.472	0.029	6.14	0.730	0.097	13.26	



IDEM

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/15/2012 5:47:38 PM			
Std1	Cylindrospermopsin 1X	1.260 Abs	0.004 ng/mL			A01
Std1	Cylindrospermopsin 1X	1.308 Abs	< 0.000 ng/mL			B01
Std2	Cylindrospermopsin 1X	1.082 Abs	0.063 ng/mL			C01
Std2	Cylindrospermopsin 1X	1.100 Abs	0.056 ng/mL			D01
Std3	Cylindrospermopsin 1X	0.964 Abs	0.113 ng/mL			E01
Std3	Cylindrospermopsin 1X	1.016 Abs	0.089 ng/mL			F01
Std4	Cylindrospermopsin 1X	0.759 Abs	0.244 ng/mL			G01
Std4	Cylindrospermopsin 1X	0.844 Abs	0.180 ng/mL			H01
Std5	Cylindrospermopsin 1X	0.536 Abs	0.552 ng/mL			A02
Std5	Cylindrospermopsin 1X	0.510 Abs	0.615 ng/mL			B02
Std6	Cylindrospermopsin 1X	0.381 Abs	1.174 ng/mL			C02
Std6	Cylindrospermopsin 1X	0.412 Abs	0.981 ng/mL			D02
Std7	Cylindrospermopsin 1X	0.322 Abs	1.794 ng/mL			E02
Std7	Cylindrospermopsin 1X	0.332 Abs	1.652 ng/mL			F02
Normal Control	Cylindrospermopsin 1X	0.452 Abs	0.799 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.493 Abs	0.662 ng/mL			H02
20120813LB	Cylindrospermopsin 1X	1.223 Abs	0.015 ng/mL	**LOW**	0.050 - 2.000	A03
20120813LB	Cylindrospermopsin 1X	1.119 Abs [1.1710]	0.049 ng/mL [0.032]	Low [Low]	0.050 - 2.000	B03
AB09138 FB	Cylindrospermopsin 1X	1.105 Abs	0.054 ng/mL		0.050 - 2.000	C03
AB09138	Cylindrospermopsin 1X	1.302 Abs [1.2035]	< 0.000 ng/mL [0.021]	Out(LR) [Low]	0.050 - 2.000	D03
AB09131 S	Cylindrospermopsin 1X	1.182 Abs	0.028 ng/mL	**LOW**	0.050 - 2.000	E03
AB09131 S	Cylindrospermopsin 1X	1.223 Abs [1.2025]	0.015 ng/mL [0.022]	Low [Low]	0.050 - 2.000	F03
AB09132	Cylindrospermopsin 1X	1.127 Abs	0.046 ng/mL	**LOW**	0.050 - 2.000	G03
AB09132	Cylindrospermopsin 1X	1.220 Abs [1.1735]	0.016 ng/mL [0.031]	Low [Low]	0.050 - 2.000	H03
AB09133	Cylindrospermopsin 1X	1.255 Abs	0.006 ng/mL	**LOW**	0.050 - 2.000	A04
AB09133	Cylindrospermopsin 1X	1.195 Abs [1.2250]	0.024 ng/mL [0.015]	Low [Low]	0.050 - 2.000	B04
AB09139 FD	Cylindrospermopsin 1X	1.127 Abs	0.046 ng/mL	**LOW**	0.050 - 2.000	C04
AB09139 FD	Cylindrospermopsin 1X	1.264 Abs [1.1955]	0.003 ng/mL [0.024]	Low [Low]	0.050 - 2.000	D04
AB09133LD	Cylindrospermopsin 1X	1.309 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB09133LD	Cylindrospermopsin 1X	1.273 Abs [1.2910]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	F04
AB09760	Cylindrospermopsin 1X	1.200 Abs	0.022 ng/mL	**LOW**	0.050 - 2.000	G04
AB09760	Cylindrospermopsin 1X	1.266 Abs [1.2330]	0.002 ng/mL [0.012]	Low [Low]	0.050 - 2.000	H04
AB09134	Cylindrospermopsin 1X	1.106 Abs	0.054 ng/mL		0.050 - 2.000	A05
AB09134	Cylindrospermopsin 1X	1.180 Abs [1.1430]	0.029 ng/mL [0.041]	Low [Low]	0.050 - 2.000	B05
AB09135	Cylindrospermopsin 1X	1.053 Abs	0.074 ng/mL		0.050 - 2.000	C05
AB09135	Cylindrospermopsin 1X	1.220 Abs [1.1365]	0.016 ng/mL [0.043]	Low [Low]	0.050 - 2.000	D05
AB09136	Cylindrospermopsin 1X	1.386 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB09136	Cylindrospermopsin 1X	1.187 Abs [1.2865]	0.027 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	F05
AB09137	Cylindrospermopsin 1X	1.071 Abs	0.067 ng/mL		0.050 - 2.000	G05
AB09137	Cylindrospermopsin 1X	1.212 Abs [1.1415]	0.019 ng/mL [0.041]	Low [Low]	0.050 - 2.000	H05
AB09757	Cylindrospermopsin 1X	1.199 Abs	0.023 ng/mL	**LOW**	0.050 - 2.000	A06
AB09757	Cylindrospermopsin 1X	1.234 Abs [1.2165]	0.012 ng/mL [0.017]	Low [Low]	0.050 - 2.000	B06
AB09757D	Cylindrospermopsin 1X	1.191 Abs	0.025 ng/mL	**LOW**	0.050 - 2.000	C06
AB09757D	Cylindrospermopsin 1X	1.218 Abs [1.2045]	0.017 ng/mL [0.021]	Low [Low]	0.050 - 2.000	D06
AB09756	Cylindrospermopsin 1X	1.261 Abs	0.004 ng/mL	**LOW**	0.050 - 2.000	E06
AB09756	Cylindrospermopsin 1X	1.206 Abs [1.2335]	0.021 ng/mL [0.012]	Low [Low]	0.050 - 2.000	F06
AB09756D	Cylindrospermopsin 1X	1.284 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G06
AB09756D	Cylindrospermopsin 1X	1.216 Abs [1.2500]	0.018 ng/mL [0.007]	Low [Low]	0.050 - 2.000	H06

Notes

Aug 15, 12

Signature

Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
20120813LB	Lab Blank	8/13/2012	8/15/2012	< 0.050
AB09138FB	Field Blank	8/14/2012	8/15/2012	< 0.050
AB09131S	Monroe (Harden Ridge)	8/13/2012	8/15/2012	< 0.050
AB09132	Monroe (Fairfax)	8/13/2012	8/15/2012	< 0.050
AB09133	Monroe (Paynetown)	8/13/2012	8/15/2012	< 0.050
AB09139FD	Field Duplicate	8/13/2012	8/15/2012	< 0.050
AB09133LD	Lab Duplicate	8/13/2012	8/15/2012	< 0.050
AB09760	Racoon (Cecil M. Harden)	8/13/2012	8/15/2012	< 0.050
AB09134	Hardy Lake	8/14/2012	8/15/2012	< 0.050
AB09135	Whitewater	8/14/2012	8/15/2012	< 0.050
AB09136	Brookville (Quakertown)	8/14/2012	8/15/2012	< 0.050
AB09137	Brookville (Mounds)	8/14/2012	8/15/2012	< 0.050
AB09757	Worster Lake	8/7/2012	8/15/2012	< 0.050
AB09756	Field Blank	8/7/2012	8/15/2012	< 0.050

Samples AB09757 & AB09756 were reanalyzed from Aug. 6, 2012.