Assay Calibration Report

Assay Information

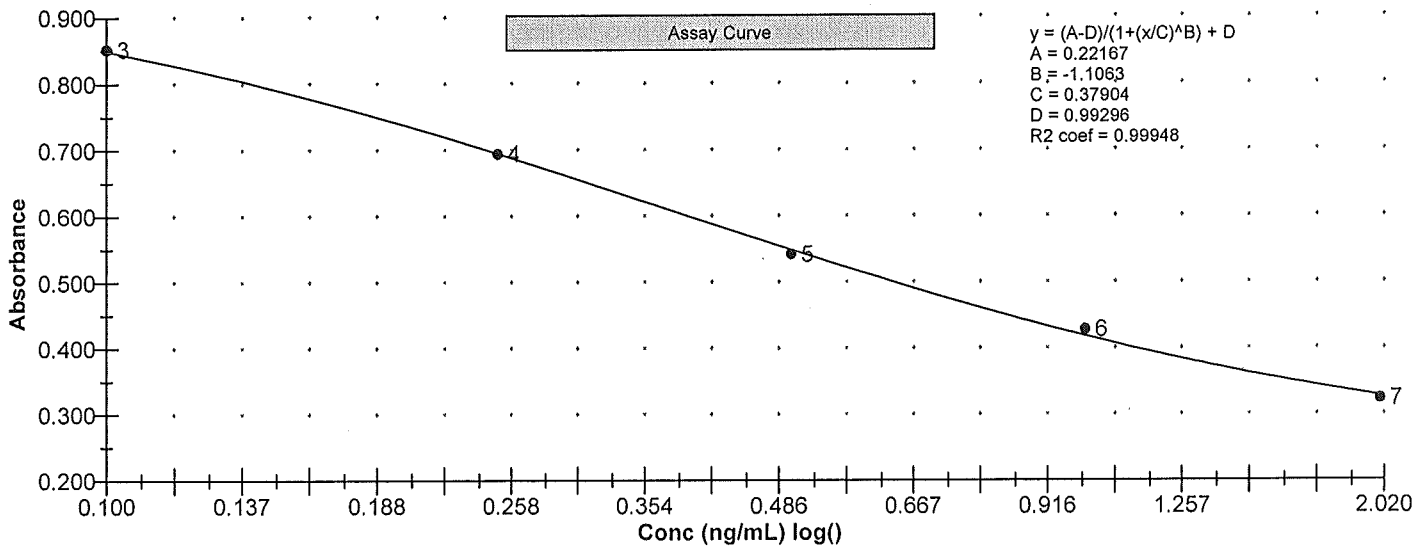
Assay Name: Cylindrospermopsin 1X
Assay Mode: 4-Parameter Logistic
Normal: 0.050 - 2.000
Units: ng/mL
# of decimals: 3
Assay Description:

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
7/18/2013 3:02:41 PM			
Std1	0.995 Abs	< 0.000 ng/mL	A01
Std1	0.988 Abs	0.000 ng/mL	B01
Std3	0.862 Abs	0.090 ng/mL	E01
Std3	0.843 Abs	0.105 ng/mL	F01
Std4	0.695 Abs	0.249 ng/mL	G01
Std4	0.693 Abs	0.252 ng/mL	H01
Std5	0.496 Abs	0.649 ng/mL	A02
Std5	0.588 Abs	0.415 ng/mL	B02
Std6	0.404 Abs	1.094 ng/mL	C02
Std6	0.451 Abs	0.825 ng/mL	D02
Std7	0.310 Abs	> 2.000 ng/mL	E02
Std7	0.336 Abs	1.840 ng/mL	F02
7/18/2013 11:13:38 AM			
Normal Control	0.483 Abs	0.694 ng/mL	G02
Normal Control	0.468 Abs	0.751 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	0.992	0.005	0.50				
Std3	0.852	0.013	1.58	0.097	0.011	10.88	-3.00
Std4	0.694	0.001	0.20	0.250	0.002	0.85	0.00
Std5	0.542	0.065	12.00	0.532	0.165	31.10	6.40
Std6	0.428	0.033	7.77	0.959	0.190	19.82	-4.10
Std7	0.323	0.018	5.69				-100.00
Normal Control	0.475	0.011	2.23	0.722	0.040	5.58	



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Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/18/2013 3:02:41 PM			
Std1	Cylindrospermopsin 1X	0.995 Abs	0.036 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	0.988 Abs	0.041 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.044 Abs	< 0.000 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.078 Abs	< 0.000 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.862 Abs	0.125 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.843 Abs	0.138 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.695 Abs	0.260 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.693 Abs	0.262 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.496 Abs	0.589 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.588 Abs	0.394 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.404 Abs	1.020 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.451 Abs	0.746 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.310 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.336 Abs	> 2.000 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.465 Abs	0.764 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.480 Abs	0.705 ng/mL			H02
AB13643	Cylindrospermopsin 1X	1.076 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB13643	Cylindrospermopsin 1X	1.058 Abs [1.0670]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB13644	Cylindrospermopsin 1X	0.909 Abs	0.057 ng/mL		0.050 - 2.000	C03
AB13644	Cylindrospermopsin 1X	0.923 Abs [0.9160]	0.047 ng/mL [0.052]	LOW	0.050 - 2.000	D03
AB13645	Cylindrospermopsin 1X	1.068 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB13645	Cylindrospermopsin 1X	1.107 Abs [1.0875]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB13646	Cylindrospermopsin 1X	1.139 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB13646	Cylindrospermopsin 1X	1.183 Abs [1.1610]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB13647	Cylindrospermopsin 1X	0.838 Abs	0.109 ng/mL		0.050 - 2.000	A04
AB13647	Cylindrospermopsin 1X	1.013 Abs [0.9255]	< 0.000 ng/mL [0.045]	Out(LR) [Low]	0.050 - 2.000	B04
AB13651	Cylindrospermopsin 1X	1.033 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB13651	Cylindrospermopsin 1X	1.052 Abs [1.0425]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB13652	Cylindrospermopsin 1X	1.040 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB13652	Cylindrospermopsin 1X	1.076 Abs [1.0580]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
AB13640	Cylindrospermopsin 1X	1.106 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB13640	Cylindrospermopsin 1X	1.164 Abs [1.1350]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB13641	Cylindrospermopsin 1X	0.642 Abs	0.322 ng/mL		0.050 - 2.000	A05
AB13641	Cylindrospermopsin 1X	1.018 Abs [0.8300]	< 0.000 ng/mL [0.115]	Out(LR)	0.050 - 2.000	B05
AB13642	Cylindrospermopsin 1X	1.057 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB13642	Cylindrospermopsin 1X	1.090 Abs [1.0735]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D05
AB13648	Cylindrospermopsin 1X	1.125 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB13648	Cylindrospermopsin 1X	1.325 Abs [1.2250]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F05
AB13649	Cylindrospermopsin 1X	1.126 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB13649	Cylindrospermopsin 1X	1.090 Abs [1.1080]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H05
AB13650	Cylindrospermopsin 1X	0.700 Abs	0.243 ng/mL		0.050 - 2.000	A06
AB13650	Cylindrospermopsin 1X	0.987 Abs [0.8435]	0.000 ng/mL [0.104]	LOW	0.050 - 2.000	B06
AB13664	Cylindrospermopsin 1X	0.964 Abs	0.020 ng/mL	LOW	0.050 - 2.000	C06
AB13664	Cylindrospermopsin 1X	1.145 Abs [1.0545]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D06
AB13665	Cylindrospermopsin 1X	1.078 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E06
AB13665	Cylindrospermopsin 1X	1.143 Abs [1.1105]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F06
AB13649LD	Cylindrospermopsin 1X	1.149 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G06
AB13649LD	Cylindrospermopsin 1X	1.157 Abs [1.1530]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H06

Notes

Signature Jessica Trevey

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
20130716LB	Cylindrospermopsin 1X	0.816 Abs	0.127 ng/mL		0.050 - 2.000	A07
20130716LB	Cylindrospermopsin 1X	0.937 Abs [0.8765]	0.038 ng/mL [0.080]	LOW	0.050 - 2.000	B07

Notes

Signature

Cylindrospermopsins ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13643	Starve Hollow SRA	7/15/2013	7/18/2013	<.050
AB13644	Deam Lake SRA	7/15/2013	7/18/2013	0.052
AB13645	Fairfax SRA	7/15/2013	7/18/2013	<.050
AB13646	Paynetown SRA	7/15/2013	7/18/2013	<.050
AB13647	Hardy Lake SRA	7/15/2013	7/18/2013	<.050
AB13651	Field Blank	7/15/2013	7/18/2013	<.050
AB13652	Starve Hollow SRA (Field Dup.)	7/15/2013	7/18/2013	<.050
AB13640	Patoka Lake	7/15/2013	7/18/2013	<.050
AB13641	Lincoln Lake	7/15/2013	7/18/2013	0.115
AB13642	Racoon Lake SRA	7/16/2013	7/18/2013	<.050
AB13648	Whitewater Memorial SP	7/16/2013	7/18/2013	<.050
AB13649	Quakertown SRA	7/16/2013	7/18/2013	<.050
AB13650	Mounds SRA	7/16/2013	7/18/2013	0.104
AB13664	Whitewater Memorial SP (Field Dup.)	7/16/2013	7/18/2013	<.050
AB13665	Field Blank	7/16/2013	7/18/2013	<.050
AB13649LD	Quakertown SRA (Lab Dup.)	7/16/2013	7/18/2013	<.050
20130716LB	Lab Blank	7/16/2013	7/18/2013	0.080