



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

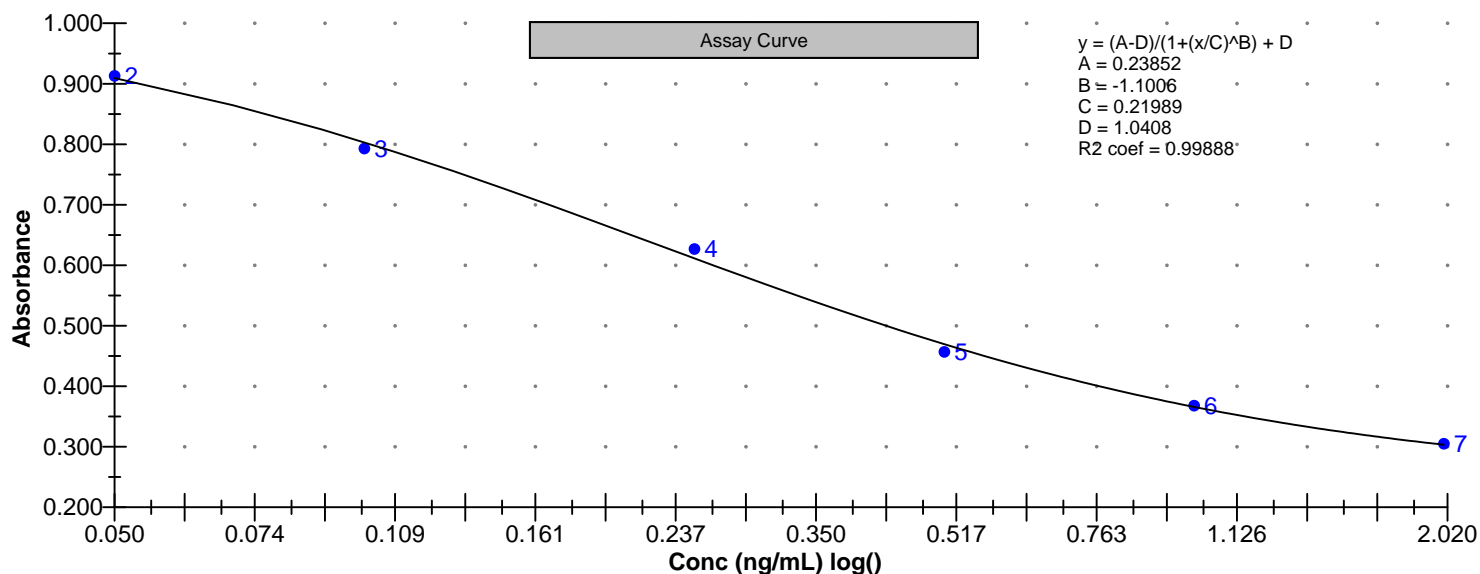
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/2/2013 3:36:10 PM			
Std1	1.028 Abs	0.000 ng/mL	A01
Std1	1.055 Abs	< 0.000 ng/mL	B01
Std2	0.906 Abs	0.051 ng/mL	C01
Std2	0.920 Abs	0.046 ng/mL	D01
Std3	0.786 Abs	0.110 ng/mL	E01
Std3	0.800 Abs	0.102 ng/mL	F01
Std4	0.607 Abs	0.255 ng/mL	G01
Std4	0.647 Abs	0.213 ng/mL	H01
Std5	0.465 Abs	0.513 ng/mL	A02
Std5	0.450 Abs	0.559 ng/mL	B02
Std6	0.365 Abs	1.008 ng/mL	C02
Std6	0.372 Abs	0.951 ng/mL	D02
Std7	0.295 Abs	> 2.000 ng/mL	E02
Std7	0.315 Abs	1.700 ng/mL	F02
7/2/2013 3:36:10 PM			
Normal Control	0.426 Abs	0.647 ng/mL	G02
Normal Control	0.438 Abs	0.601 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.041	0.019	1.83				
Std2	0.913	0.010	1.08	0.049	0.004	7.29	-2.00
Std3	0.793	0.010	1.25	0.106	0.006	5.34	6.00
Std4	0.627	0.028	4.51	0.234	0.030	12.69	-6.40
Std5	0.457	0.011	2.32	0.536	0.033	6.07	7.20
Std6	0.368	0.005	1.34	0.979	0.040	4.11	-2.10
Std7	0.305	0.014	4.64				-100.00





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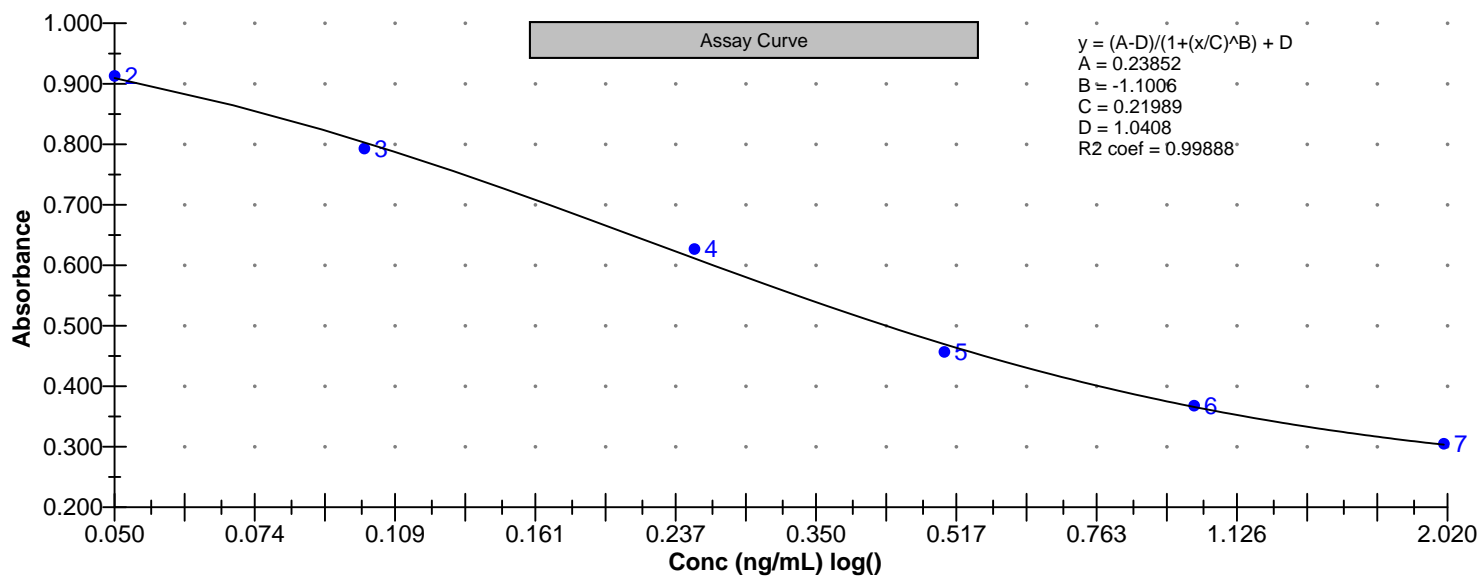
Controls:
Normal Control

Standards:
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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	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Normal Control	0.432	0.008	1.96	0.624	0.033	5.21	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/2/2013 3:36:10 PM						
Std1	Cylindrospermopsin 1X	1.028 Abs	0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.055 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.906 Abs	0.051 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.920 Abs	0.046 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.786 Abs	0.110 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.800 Abs	0.102 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.607 Abs	0.255 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.647 Abs	0.213 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.465 Abs	0.513 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.450 Abs	0.559 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.365 Abs	1.008 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.372 Abs	0.951 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.295 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.315 Abs	1.700 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.426 Abs	0.647 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.438 Abs	0.601 ng/mL			H02
AB13578	Cylindrospermopsin 1X	0.992 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB13578	Cylindrospermopsin 1X	1.012 Abs [1.0020]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B03
AB13575	Cylindrospermopsin 1X	1.070 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB13575	Cylindrospermopsin 1X	1.078 Abs [1.0740]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB13576	Cylindrospermopsin 1X	1.052 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB13576	Cylindrospermopsin 1X	1.062 Abs [1.0570]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB13578LD	Cylindrospermopsin 1X	1.051 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB13578LD	Cylindrospermopsin 1X	1.039 Abs [1.0450]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H03
20130701LB	Cylindrospermopsin 1X	1.088 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
20130701LB	Cylindrospermopsin 1X	1.110 Abs [1.0990]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04

Notes

Signature  July 3, 2013



Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13578	Hardy Lake SRA	7/1/2013	7/2/2013	<0.050
AB13575	Field Duplicate	7/1/2013	7/2/2013	<0.050
AB13576	Field Blank	7/1/2013	7/2/2013	<0.050
AB13578LD	Lab Duplicate	7/1/2013	7/2/2013	<0.050
20130701LB	Lab Blank	7/1/2013	7/2/2013	<0.050