



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

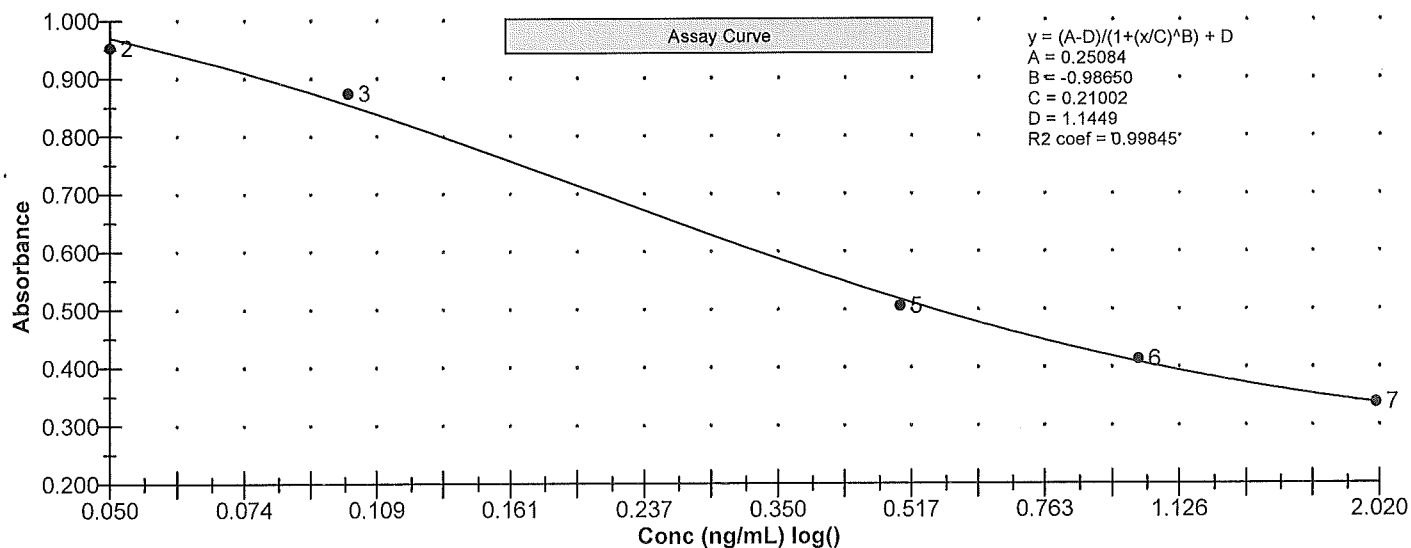
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/10/2013 11:57:36 AM			
Std1	1.083 Abs	0.000 ng/mL	A01
Std1	1.212 Abs	< 0.000 ng/mL	B01
Std2	0.946 Abs	0.059 ng/mL	C01
Std2	0.960 Abs	0.054 ng/mL	D01
Std3	0.909 Abs	0.074 ng/mL	E01
Std3	0.840 Abs	0.108 ng/mL	F01
Std5	0.498 Abs	0.557 ng/mL	A02
Std5	0.513 Abs	0.512 ng/mL	B02
Std6	0.418 Abs	0.932 ng/mL	C02
Std6	0.409 Abs	0.998 ng/mL	D02
Std7	0.337 Abs	> 2.000 ng/mL	E02
Std7	0.341 Abs	1.928 ng/mL	F02
7/10/2013 11:57:36 AM			
Normal Control	0.460 Abs	0.699 ng/mL	G02
Normal Control	0.481 Abs	0.615 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.148	0.091	7.95				
Std2	0.953	0.010	1.04	0.057	0.004	6.26	14.00
Std3	0.874	0.049	5.58	0.091	0.024	26.42	-9.00
Std5	0.506	0.011	2.10	0.535	0.032	5.95	7.00
Std6	0.414	0.006	1.54	0.965	0.047	4.84	-3.50
Std7	0.339	0.003	0.83				-100.00
Normal Control	0.470	0.015	3.16	0.657	0.059	9.04	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/10/2013 11:57:36 AM						
Std1	Cylindrospermopsin 1X	1.083 Abs	0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.212 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	0.946 Abs	0.069 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	0.960 Abs	0.061 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	0.909 Abs	0.089 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	0.840 Abs	0.136 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.832 Abs	0.142 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.806 Abs	0.163 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.498 Abs	0.711 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.513 Abs	0.661 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.418 Abs	1.074 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.409 Abs	1.128 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.337 Abs	1.748 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.341 Abs	1.702 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.460 Abs	0.699 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.481 Abs	0.615 ng/mL			H02
AB13618	Cylindrospermopsin 1X	1.147 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB13618	Cylindrospermopsin 1X	1.204 Abs [1.1755]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB13619	Cylindrospermopsin 1X	1.126 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB13619	Cylindrospermopsin 1X	1.146 Abs [1.1360]	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	D03
AB13619LD	Cylindrospermopsin 1X	1.008 Abs	0.037 ng/mL	LOW	0.050 - 2.000	E03
AB13619LD	Cylindrospermopsin 1X	1.129 Abs [1.0685]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F03
AB13620	Cylindrospermopsin 1X	1.179 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB13620	Cylindrospermopsin 1X	1.102 Abs [1.1405]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	H03
AB13621	Cylindrospermopsin 1X	1.322 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB13621	Cylindrospermopsin 1X	1.469 Abs [1.3955]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
20130708LB	Cylindrospermopsin 1X	1.817 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
20130708LB	Cylindrospermopsin 1X	1.144 Abs [1.4805]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	D04
20130708DL	Cylindrospermopsin 1X	1.192 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
20130708DL	Cylindrospermopsin 1X	1.115 Abs [1.1535]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	F04
20130708CL	Cylindrospermopsin 1X	1.663 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
20130708CL	Cylindrospermopsin 1X	1.062 Abs [1.3625]	0.021 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H04

Notes

7/11/2013

Signature

Betty R. R. R.



Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13618	Potato Creek SP	7/8/2013	7/10/2013	<0.050
AB13619	Mississinewa Miami SRA	7/8/2013	7/10/2013	<0.050
AB13619LD	Lab Duplicate (Mississinewa Miami SRA)	7/8/2013	7/10/2013	<0.050
AB13620	Field Duplicate (Potato Creek SP)	7/8/2013	7/10/2013	<0.050
AB13621	Field Blank	7/8/2013	7/10/2013	<0.050
20130708LB	Lab Blank	7/8/2013	7/10/2013	<0.050