Assay Calibration Report

Assay Information

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

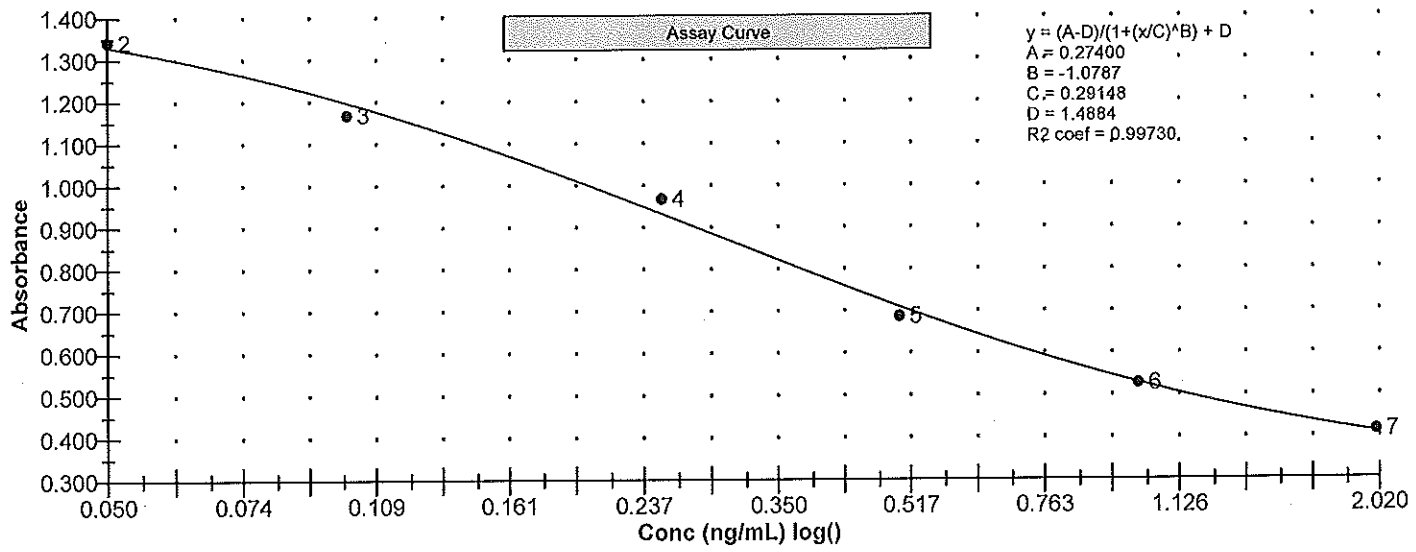
Units: ng/mL
# of decimals: 3
Assay Description:

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
7/10/2012 11:53:44 AM			
Std1	1.476 Abs	0.004 ng/mL	A01
Std1	1.502 Abs	< 0.000 ng/mL	B01
Std2	1.356 Abs	0.042 ng/mL	C01
Std2	1.328 Abs	0.051 ng/mL	D01
Std3	1.168 Abs	0.113 ng/mL	E01
Std3	1.168 Abs	0.113 ng/mL	F01
Std4	0.852 Abs	0.319 ng/mL	G01
Std4	1.083 Abs	0.154 ng/mL	H01
Std5	0.689 Abs	0.535 ng/mL	A02
Std5	0.684 Abs	0.544 ng/mL	B02
Std6	0.531 Abs	0.986 ng/mL	C02
Std6	0.523 Abs	1.024 ng/mL	D02
Std7	0.413 Abs	1.942 ng/mL	E02
Std7	0.414 Abs	1.928 ng/mL	F02
7/10/2012 11:53:44 AM			
Normal Control	0.605 Abs	0.724 ng/mL	G02
Normal Control	0.618 Abs	0.689 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.489	0.018	1.23				
Std2	1.342	0.020	1.48	0.046	0.006	13.69	-8.00
Std3	1.168	0.000	0.00	0.113	0.000	0.00	13.00
Std4	0.967	0.163	16.88	0.236	0.117	49.33	-5.60
Std5	0.687	0.001	0.52	0.539	0.006	1.18	7.80
Std6	0.527	0.006	1.07	1.005	0.027	2.67	0.50
Std7	0.414	0.001	0.17	1.935	0.010	0.51	-3.25



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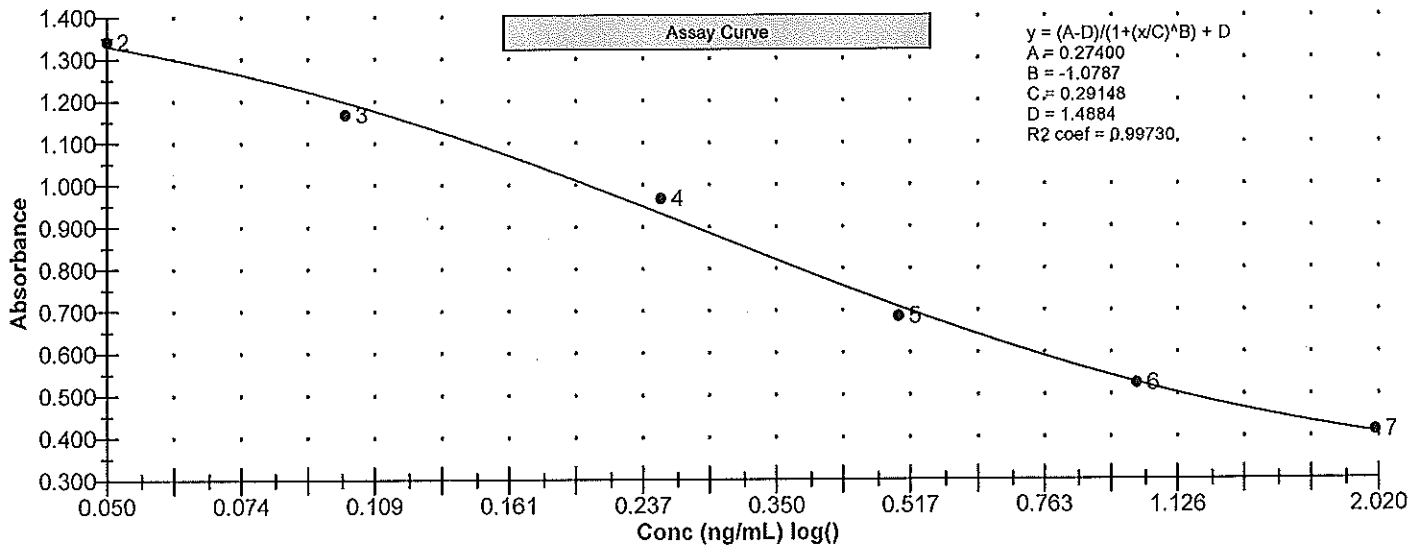
Std5, Concentration = 0.500, Minimum number to use: 2
Std6, Concentration = 1.000, Minimum number to use: 2
Std7, Concentration = 2.000, Minimum number to use: 2
Curve valid interval: 7 days 0 hours
Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Normal Control	0.612	0.009	1.50	0.706	0.025	3.50	



IDEM

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/10/2012 11:53:44 AM			
Std1	Cylindrospermopsin 1X	1.476 Abs	0.004 ng/mL			A01
Std1	Cylindrospermopsin 1X	1.502 Abs	< 0.000 ng/mL			B01
Std2	Cylindrospermopsin 1X	1.356 Abs	0.042 ng/mL			C01
Std2	Cylindrospermopsin 1X	1.328 Abs	0.051 ng/mL			D01
Std3	Cylindrospermopsin 1X	1.168 Abs	0.113 ng/mL			E01
Std3	Cylindrospermopsin 1X	1.168 Abs	0.113 ng/mL			F01
Std4	Cylindrospermopsin 1X	0.852 Abs	0.319 ng/mL			G01
Std4	Cylindrospermopsin 1X	1.083 Abs	0.154 ng/mL			H01
Std5	Cylindrospermopsin 1X	0.689 Abs	0.535 ng/mL			A02
Std5	Cylindrospermopsin 1X	0.684 Abs	0.544 ng/mL			B02
Std6	Cylindrospermopsin 1X	0.531 Abs	0.986 ng/mL			C02
Std6	Cylindrospermopsin 1X	0.523 Abs	1.024 ng/mL			D02
Std7	Cylindrospermopsin 1X	0.413 Abs	1.942 ng/mL			E02
Std7	Cylindrospermopsin 1X	0.414 Abs	1.928 ng/mL			F02
Normal Control	Cylindrospermopsin 1X	0.605 Abs	0.724 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.618 Abs	0.689 ng/mL			H02
AB09471	Cylindrospermopsin 1X	1.620 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB09471	Cylindrospermopsin 1X	1.579 Abs [1.5995]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB09472	Cylindrospermopsin 1X	1.636 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB09472	Cylindrospermopsin 1X	1.551 Abs [1.5935]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB09469	Cylindrospermopsin 1X	1.601 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB09469	Cylindrospermopsin 1X	1.570 Abs [1.5855]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB09470	Cylindrospermopsin 1X	3.785 Abs	< 0.000 ng/mL	Out(A,LR)	0.050 - 2.000	G03
AB09470	Cylindrospermopsin 1X	1.586 Abs [2.6855]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB09473	Cylindrospermopsin 1X	1.532 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB09473	Cylindrospermopsin 1X	1.634 Abs [1.5830]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
20120709LB	Cylindrospermopsin 1X	1.531 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
20120709LB	Cylindrospermopsin 1X	1.582 Abs [1.5565]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB09472LD	Cylindrospermopsin 1X	1.554 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB09472LD	Cylindrospermopsin 1X	1.574 Abs [1.5640]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04

Notes

Signature Betty Fetters 7/10/2012

Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09471	Salamonie Reservoir-Lost Bridge W SRA	7/9/2012	7/10/2012	<0.050
AB09472	Worster Lake-Potato Creek State Park	7/9/2012	7/10/2012	<0.050
AB09469	Field Duplicate (Salamonie)	7/9/2012	7/10/2012	<0.050
AB09470	Field Blank	7/9/2012	7/10/2012	<0.050
AB09473	Sand Lake-Chain O'Lakes State Park	7/9/2012	7/10/2012	<0.050
20120709LB	Lab Blank	7/9/2012	7/10/2012	<0.050
AB09472LD	Lab Duplicate (Worster Lake)	7/9/2012	7/10/2012	<0.050