Assay Calibration Report

Assay Information

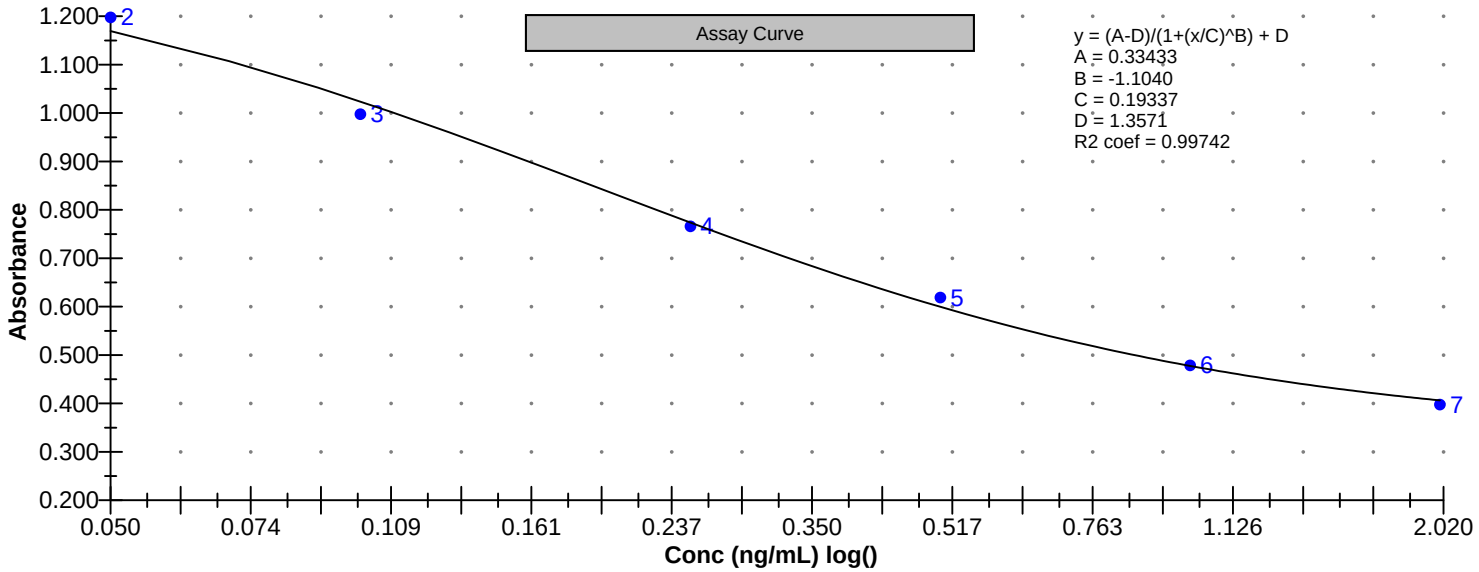
Assay Name: Cylindrospermopsin 1X
Assay Mode: 4-Parameter Logistic
Normal: 0.050 - 2.000
Units: ng/mL
# of decimals: 3
Assay Description:

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
8/1/2013 2:57:02 PM			
Std1	1.342 Abs	0.000 ng/mL	A01
Std1	1.358 Abs	< 0.000 ng/mL	B01
Std2	1.177 Abs	0.048 ng/mL	C01
Std2	1.219 Abs	0.036 ng/mL	D01
Std3	0.982 Abs	0.118 ng/mL	E01
Std3	1.013 Abs	0.104 ng/mL	F01
Std4	0.737 Abs	0.286 ng/mL	G01
Std4	0.796 Abs	0.231 ng/mL	H01
Std5	0.619 Abs	0.458 ng/mL	B02
Std6	0.487 Abs	0.936 ng/mL	C02
Std6	0.472 Abs	1.044 ng/mL	D02
Std7	0.401 Abs	> 2.000 ng/mL	E02
Std7	0.395 Abs	> 2.000 ng/mL	F02
8/1/2013 2:57:02 PM			
Normal Control	0.511 Abs	0.799 ng/mL	G02
Normal Control	0.522 Abs	0.748 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.350	0.011	0.84				
Std2	1.198	0.030	2.48	0.042	0.008	20.20	-16.00
Std3	0.998	0.022	2.20	0.111	0.010	8.92	11.00
Std4	0.766	0.042	5.44	0.259	0.039	15.04	3.60
Std5	0.619			0.458			-8.40
Std6	0.479	0.011	2.21	0.990	0.076	7.71	-1.00
Std7	0.398	0.004	1.07				-100.00
Normal Control	0.516	0.008	1.51	0.774	0.036	4.66	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/1/2013 2:57:02 PM			
Std1	Cylindrospermopsin 1X				0.000	A01
Std1	Cylindrospermopsin 1X				0.000	B01
Std2	Cylindrospermopsin 1X				0.050	C01
Std2	Cylindrospermopsin 1X				0.050	D01
Std3	Cylindrospermopsin 1X				0.100	E01
Std3	Cylindrospermopsin 1X				0.100	F01
Std4	Cylindrospermopsin 1X				0.250	G01
Std4	Cylindrospermopsin 1X				0.250	H01
Std5	Cylindrospermopsin 1X				0.500	A02
Std5	Cylindrospermopsin 1X				0.500	B02
Std6	Cylindrospermopsin 1X				1.000	C02
Std6	Cylindrospermopsin 1X				1.000	D02
Std7	Cylindrospermopsin 1X				2.000	E02
Std7	Cylindrospermopsin 1X				2.000	F02
Normal Control	Cylindrospermopsin 1X	0.511 Abs	0.799 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.522 Abs	0.748 ng/mL			H02
AB13786	Cylindrospermopsin 1X	1.364 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB13786	Cylindrospermopsin 1X	1.420 Abs [1.3920]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB13788	Cylindrospermopsin 1X	1.401 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB13788	Cylindrospermopsin 1X	1.418 Abs [1.4095]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB13789	Cylindrospermopsin 1X	1.371 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB13789	Cylindrospermopsin 1X	1.368 Abs [1.3695]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB13790	Cylindrospermopsin 1X	1.364 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB13790	Cylindrospermopsin 1X	1.425 Abs [1.3945]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB13791	Cylindrospermopsin 1X	1.324 Abs	0.000 ng/mL	**LOW**	0.050 - 2.000	A04
AB13791	Cylindrospermopsin 1X	1.381 Abs [1.3525]	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	B04
AB13796	Cylindrospermopsin 1X	1.415 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB13796	Cylindrospermopsin 1X	1.363 Abs [1.3890]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB13789LD	Cylindrospermopsin 1X	1.369 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB13789LD	Cylindrospermopsin 1X	1.395 Abs [1.3820]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
20130729LB	Cylindrospermopsin 1X	1.387 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
20130729LB	Cylindrospermopsin 1X	1.368 Abs [1.3775]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB13792	Cylindrospermopsin 1X	1.336 Abs	0.000 ng/mL	**LOW**	0.050 - 2.000	A05
AB13792	Cylindrospermopsin 1X	1.389 Abs [1.3625]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B05
AB13793	Cylindrospermopsin 1X	1.329 Abs	0.000 ng/mL	**LOW**	0.050 - 2.000	C05
AB13793	Cylindrospermopsin 1X	1.301 Abs [1.3150]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D05
AB13794	Cylindrospermopsin 1X	1.307 Abs	0.000 ng/mL	**LOW**	0.050 - 2.000	E05
AB13794	Cylindrospermopsin 1X	1.326 Abs [1.3165]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F05
AB13795	Cylindrospermopsin 1X	1.370 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB13795	Cylindrospermopsin 1X	1.348 Abs [1.3590]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H05

Notes

Signature August 1, 2013

Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13786	Hardy Lake SRA	7/29/2013	8/1/2013	<0.050
AB13788	Quakertown SRA	7/29/2013	8/1/2013	<0.050
AB13789	Mounds SRA	7/29/2013	8/1/2013	<0.050
AB13790	Quakertown SRA Field Dup	7/29/2013	8/1/2013	<0.050
AB13791	Field Blank	7/29/2013	8/1/2013	<0.050
AB13796	Equipment Blank	7/29/2013	8/1/2013	<0.050
AB13789LD	Mounds SRA Lab Dup	7/29/2013	8/1/2013	<0.050
20130729LB	Lab Blank	7/29/2013	8/1/2013	<0.050
AB13792	Raccoon Lake SRA Field Dup	7/30/2013	8/1/2013	<0.050
AB13793	Field Blank	7/30/2013	8/1/2013	<0.050
AB13794	Raccoon Lake SRA	7/30/2013	8/1/2013	<0.050
AB13795	Patoka Lake	7/30/2013	8/1/2013	<0.050