



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

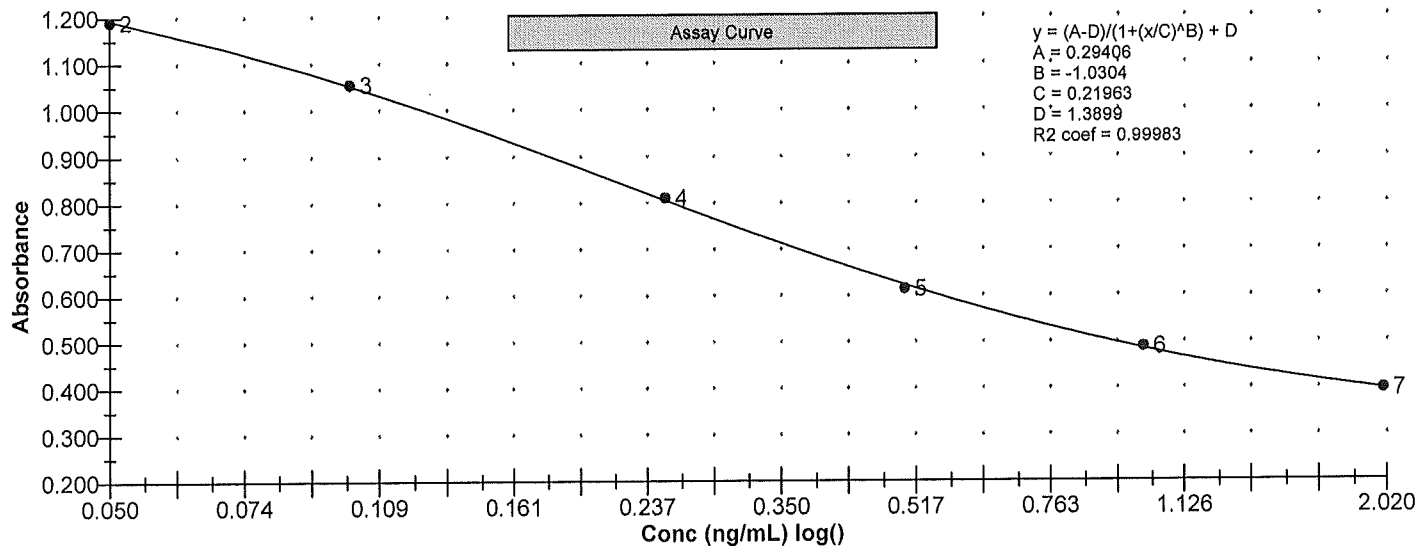
Standards:

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
8/7/2013 10:58:58 AM			
Std1	1.388 Abs	0.000 ng/mL	A01
Std1	1.395 Abs	< 0.000 ng/mL	B01
Std2	1.203 Abs	0.047 ng/mL	C01
Std2	1.177 Abs	0.055 ng/mL	D01
Std3	1.044 Abs	0.104 ng/mL	E01
Std3	1.065 Abs	0.095 ng/mL	F01
Std4	0.811 Abs	0.245 ng/mL	G01
Std4	0.811 Abs	0.245 ng/mL	H01
Std5	0.613 Abs	0.521 ng/mL	A02
Std5	0.616 Abs	0.515 ng/mL	B02
Std6	0.486 Abs	0.988 ng/mL	C02
Std6	0.491 Abs	0.958 ng/mL	D02
Std7	0.385 Abs	> 2.000 ng/mL	E02
Std7	0.406 Abs	1.810 ng/mL	F02
8/7/2013 10:58:58 AM			
Normal Control	0.539 Abs	0.736 ng/mL	G02
Normal Control	0.612 Abs	0.523 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.391	0.005	0.36				
Std2	1.190	0.018	1.54	0.051	0.006	11.09	2.00
Std3	1.055	0.015	1.41	0.100	0.006	6.40	-0.00
Std4	0.811	0.000	0.00	0.245	0.000	0.00	-2.00
Std5	0.614	0.002	0.35	0.518	0.004	0.82	3.60
Std6	0.488	0.004	0.72	0.973	0.021	2.18	-2.70
Std7	0.396	0.015	3.75				-100.00





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/7/2013 10:58:58 AM						
Std1	Cylindrospermopsin 1X	1.388 Abs	0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.395 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.203 Abs	0.047 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.177 Abs	0.055 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	1.044 Abs	0.104 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	1.065 Abs	0.095 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.811 Abs	0.245 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	0.811 Abs	0.245 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.613 Abs	0.521 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.616 Abs	0.515 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.486 Abs	0.988 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.491 Abs	0.958 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.385 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.406 Abs	1.810 ng/mL		2.000	F02
Normal Control	Cylindrospermopsin 1X	0.539 Abs	0.736 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.612 Abs	0.523 ng/mL			H02
AB13889	Cylindrospermopsin 1X	1.424 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB13889	Cylindrospermopsin 1X	1.386 Abs [1.4050]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	B03
AB13891	Cylindrospermopsin 1X	1.435 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB13891	Cylindrospermopsin 1X	1.737 Abs [1.5860]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB13892	Cylindrospermopsin 1X	1.402 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB13892	Cylindrospermopsin 1X	1.448 Abs [1.4250]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB13893	Cylindrospermopsin 1X	1.752 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB13893	Cylindrospermopsin 1X	1.563 Abs [1.6575]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB13890	Cylindrospermopsin 1X	1.497 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB13890	Cylindrospermopsin 1X	1.446 Abs [1.4715]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
20130806LB	Cylindrospermopsin 1X	1.648 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
20130806LB	Cylindrospermopsin 1X	1.464 Abs [1.5560]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB13892LD	Cylindrospermopsin 1X	1.455 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB13892LD	Cylindrospermopsin 1X	1.468 Abs [1.4615]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04

Notes

Signature

Yusica Treusey
07 Aug 2013



Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13889	Mississinewa Miami SRA (FD)	8/5/2013	8/7/2013	<0.050
AB13891	Mississinewa Miami SRA	8/5/2013	8/7/2013	<0.050
AB13892	Salamonie Lost Bridge SRA	8/5/2013	8/7/2013	<0.050
AB13893	Potato Creek SP	8/5/2013	8/7/2013	<0.050
AB13890	Field Blank	8/5/2013	8/7/2013	<0.050
20130806LB	Lab Blank	8/6/2013	8/7/2013	<0.050
AB13892LD	Salamonie Lost Bridge SRA (LD)	8/6/2013	8/7/2013	<0.050