



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

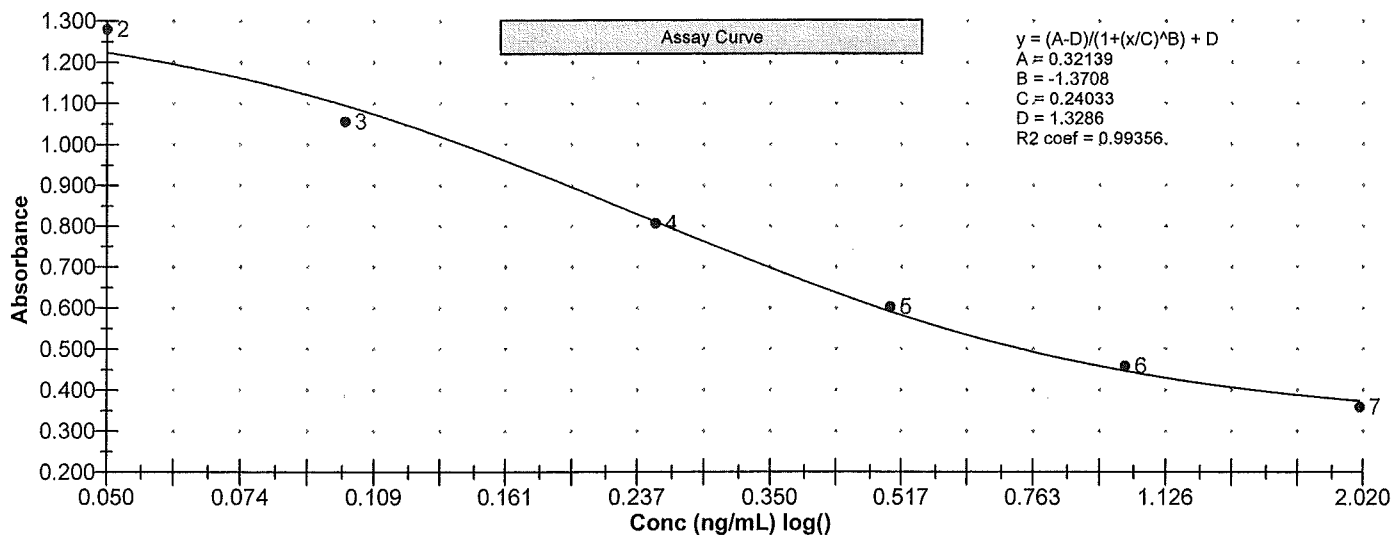
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/2/2012 12:42:54 PM			
Std1	1.384 Abs	< 0.000 ng/mL	A01
Std1	1.231 Abs	0.047 ng/mL	B01
Std2	1.232 Abs	0.047 ng/mL	C01
Std2	1.329 Abs	< 0.000 ng/mL	D01
Std3	1.125 Abs	0.088 ng/mL	E01
Std3	0.986 Abs	0.148 ng/mL	F01
Std4	0.800 Abs	0.258 ng/mL	G01
Std4	0.814 Abs	0.248 ng/mL	H01
Std5	0.605 Abs	0.476 ng/mL	A02
Std5	0.601 Abs	0.483 ng/mL	B02
Std6	0.446 Abs	1.002 ng/mL	C02
Std6	0.472 Abs	0.854 ng/mL	D02
Std7	0.358 Abs	> 2.000 ng/mL	E02
Std7	0.360 Abs	> 2.000 ng/mL	F02
8/2/2012 12:42:54 PM			
Normal Control	0.530 Abs	0.640 ng/mL	G02
Normal Control	0.572 Abs	0.538 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.307	0.108	8.27				
Std2	1.280	0.069	5.36				-100.00
Std3	1.056	0.098	9.31	0.118	0.042	35.95	18.00
Std4	0.807	0.010	1.23	0.253	0.007	2.79	1.20
Std5	0.603	0.003	0.47	0.479	0.005	1.03	-4.20
Std6	0.459	0.018	4.01	0.928	0.105	11.28	-7.20
Std7	0.359	0.001	0.39				-100.00





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:

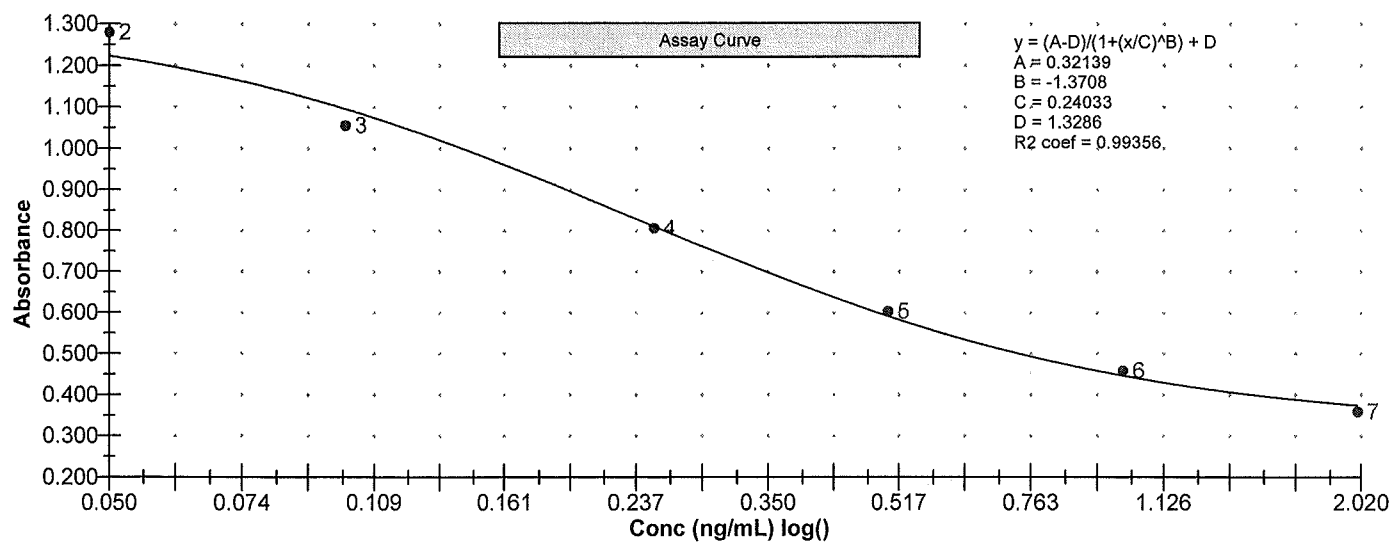
Controls:
Normal Control

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	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Normal Control	0.551	0.030	5.39	0.589	0.072	12.25	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/2/2012 12:42:54 PM						
Std1	Cylindrospermopsin 1X	1.384 Abs	< 0.000 ng/mL			A01
Std1	Cylindrospermopsin 1X	1.231 Abs	0.047 ng/mL			B01
Std2	Cylindrospermopsin 1X	1.232 Abs	0.047 ng/mL			C01
Std2	Cylindrospermopsin 1X	1.329 Abs	< 0.000 ng/mL			D01
Std3	Cylindrospermopsin 1X	1.125 Abs	0.088 ng/mL			E01
Std3	Cylindrospermopsin 1X	0.986 Abs	0.148 ng/mL			F01
Std4	Cylindrospermopsin 1X	0.800 Abs	0.258 ng/mL			G01
Std4	Cylindrospermopsin 1X	0.814 Abs	0.248 ng/mL			H01
Std5	Cylindrospermopsin 1X	0.605 Abs	0.476 ng/mL			A02
Std5	Cylindrospermopsin 1X	0.601 Abs	0.483 ng/mL			B02
Std6	Cylindrospermopsin 1X	0.446 Abs	1.002 ng/mL			C02
Std6	Cylindrospermopsin 1X	0.472 Abs	0.854 ng/mL			D02
Std7	Cylindrospermopsin 1X	0.358 Abs	> 2.000 ng/mL			E02
Std7	Cylindrospermopsin 1X	0.360 Abs	> 2.000 ng/mL			F02
Normal Control	Cylindrospermopsin 1X	0.530 Abs	0.640 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.572 Abs	0.538 ng/mL			H02
AB09543	Cylindrospermopsin 1X	1.277 Abs	0.029 ng/mL	LOW	0.050 - 2.000	A03
AB09543	Cylindrospermopsin 1X	1.292 Abs [1.2845]	0.022 ng/mL [0.025]	Low [Low]	0.050 - 2.000	B03
AB09544	Cylindrospermopsin 1X	1.290 Abs	0.023 ng/mL	LOW	0.050 - 2.000	C03
AB09544	Cylindrospermopsin 1X	1.254 Abs [1.2720]	0.038 ng/mL [0.031]	Low [Low]	0.050 - 2.000	D03
AB09545	Cylindrospermopsin 1X	1.214 Abs	0.054 ng/mL		0.050 - 2.000	E03
AB09545	Cylindrospermopsin 1X	1.194 Abs [1.2040]	0.061 ng/mL [0.058]		0.050 - 2.000	F03
AB09546	Cylindrospermopsin 1X	1.238 Abs	0.044 ng/mL	LOW	0.050 - 2.000	G03
AB09546	Cylindrospermopsin 1X	1.311 Abs [1.2745]	0.013 ng/mL [0.030]	Low [Low]	0.050 - 2.000	H03
AB09540	Cylindrospermopsin 1X	1.306 Abs	0.015 ng/mL	LOW	0.050 - 2.000	A04
AB09540	Cylindrospermopsin 1X	1.368 Abs [1.3370]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
20120730LB	Cylindrospermopsin 1X	1.287 Abs	0.024 ng/mL	LOW	0.050 - 2.000	C04
20120730LB	Cylindrospermopsin 1X	1.293 Abs [1.2900]	0.022 ng/mL [0.023]	Low [Low]	0.050 - 2.000	D04
AB09541	Cylindrospermopsin 1X	1.259 Abs	0.036 ng/mL	LOW	0.050 - 2.000	E04
AB09541	Cylindrospermopsin 1X	1.320 Abs [1.2895]	0.008 ng/mL [0.023]	Low [Low]	0.050 - 2.000	F04
AB09542LD	Cylindrospermopsin 1X	1.370 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB09542LD	Cylindrospermopsin 1X	1.304 Abs [1.3370]	0.016 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H04
AB09650	Cylindrospermopsin 1X	1.421 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A05
Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/2/2012 12:42:55 PM						
AB09650	Cylindrospermopsin 1X	1.443 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	B05
AB09542	Cylindrospermopsin 1X	1.331 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB09542	Cylindrospermopsin 1X	1.386 Abs [1.3585]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D05
AB09096	Cylindrospermopsin 1X	1.404 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E05
AB09096	Cylindrospermopsin 1X	1.308 Abs [1.3560]	0.014 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	F05
AB09101	Cylindrospermopsin 1X	1.397 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB09101	Cylindrospermopsin 1X	1.308 Abs [1.3525]	0.014 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H05

Notes

Aug 2, 12

Signature

Kelly Smith



Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09543	Hardy Lake	7/30/2012	8/2/2012	< 0.050
AB09544	Brookville (Quakertown)	7/30/2012	8/2/2012	< 0.050
AB09545	Brookville Lake (Mounds)	7/30/2012	8/2/2012	0.058
AB09546	Whitewater Memorial	7/30/2012	8/2/2012	< 0.050
AB09540	Brookville (Quakertown)	7/30/2012	8/2/2012	< 0.050
20120730LB	Lab Blank	7/30/2012	8/2/2012	< 0.050
AB09541	Field Blank	7/30/2012	8/2/2012	< 0.050
AB09542	Lab Duplicate	7/30/2012	8/2/2012	< 0.050
AB09650	Raccoon SRA (Boat Tramp)	7/30/2012	8/2/2012	< 0.050
AB09542	Cecil M. Harden (Raccoon SRA)	7/30/2012	8/2/2012	< 0.050
AB09096	Salamonie	7/23/2012	8/2/2012	< 0.050
AB09101	Field Blank	7/24/2012	8/2/2012	< 0.050