



# 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

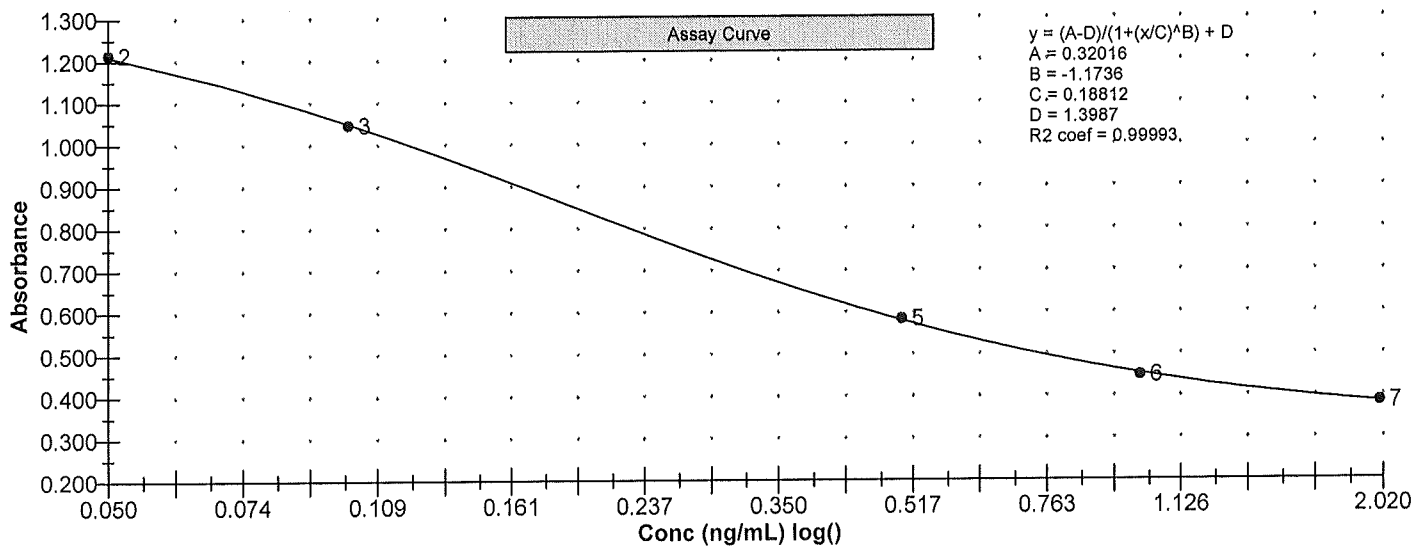
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/15/2013 10:14:10 AM			
Std1	1.381 Abs	0.000 ng/mL	A01
Std1	1.416 Abs	< 0.000 ng/mL	B01
Std2	1.214 Abs	0.049 ng/mL	C01
Std3	1.063 Abs	0.096 ng/mL	E01
Std3	1.031 Abs	0.107 ng/mL	F01
Std5	0.601 Abs	0.458 ng/mL	A02
Std5	0.567 Abs	0.530 ng/mL	B02
Std6	0.447 Abs	1.048 ng/mL	C02
Std6	0.451 Abs	1.016 ng/mL	D02
Std7	0.366 Abs	> 2.000 ng/mL	E02
Std7	0.404 Abs	1.548 ng/mL	F02
8/15/2013 10:14:11 AM			
Normal Control	0.529 Abs	0.635 ng/mL	G02
Normal Control	0.507 Abs	0.713 ng/mL	G06

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.398	0.025	1.77				
Std2	1.214			0.049			-2.00
Std3	1.047	0.023	2.16	0.102	0.008	7.66	2.00
Std5	0.584	0.024	4.12	0.494	0.051	10.31	-1.20
Std6	0.449	0.003	0.63	1.032	0.023	2.19	3.20
Std7	0.385	0.027	6.98				-100.00
Normal Control	0.518	0.016	3.00	0.674	0.055	8.18	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/15/2013 10:14:10 AM						
Std1	Cylindrospermopsin 1X	1.381 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cylindrospermopsin 1X	1.416 Abs	< 0.000 ng/mL		0.000	B01
Std2	Cylindrospermopsin 1X	1.214 Abs	0.170 ng/mL		0.050	C01
Std2	Cylindrospermopsin 1X	1.232 Abs	< 0.000 ng/mL		0.050	D01
Std3	Cylindrospermopsin 1X	1.063 Abs	0.298 ng/mL		0.100	E01
Std3	Cylindrospermopsin 1X	1.031 Abs	0.312 ng/mL		0.100	F01
Std4	Cylindrospermopsin 1X	0.805 Abs	0.395 ng/mL		0.250	G01
Std4	Cylindrospermopsin 1X	1.512 Abs	< 0.000 ng/mL		0.250	H01
Std5	Cylindrospermopsin 1X	0.601 Abs	0.491 ng/mL		0.500	A02
Std5	Cylindrospermopsin 1X	0.567 Abs	0.515 ng/mL		0.500	B02
Std6	Cylindrospermopsin 1X	0.447 Abs	0.711 ng/mL		1.000	C02
Std6	Cylindrospermopsin 1X	0.451 Abs	0.696 ng/mL		1.000	D02
Std7	Cylindrospermopsin 1X	0.366 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cylindrospermopsin 1X	0.404 Abs	> 2.000 ng/mL		2.000	F02
Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/15/2013 10:14:11 AM						
Normal Control	Cylindrospermopsin 1X	0.529 Abs	0.635 ng/mL			G02
AB14118	Cylindrospermopsin 1X	1.450 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB14118	Cylindrospermopsin 1X	1.453 Abs [1.4515]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB14119	Cylindrospermopsin 1X	0.728 Abs	0.287 ng/mL		0.050 - 2.000	C03
AB14119	Cylindrospermopsin 1X	0.613 Abs [0.6705]	0.436 ng/mL [0.351]		0.050 - 2.000	D03
AB14120	Cylindrospermopsin 1X	1.406 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB14120	Cylindrospermopsin 1X	1.439 Abs [1.4225]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB14121	Cylindrospermopsin 1X	1.549 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB14121	Cylindrospermopsin 1X	1.454 Abs [1.5015]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB14122	Cylindrospermopsin 1X	1.414 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB14122	Cylindrospermopsin 1X	1.418 Abs [1.4160]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB14126	Cylindrospermopsin 1X	1.725 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
AB14126	Cylindrospermopsin 1X	1.540 Abs [1.6325]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D04
AB14127	Cylindrospermopsin 1X	1.433 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB14127	Cylindrospermopsin 1X	1.555 Abs [1.4940]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
AB14119LD	Cylindrospermopsin 1X	0.648 Abs	0.381 ng/mL		0.050 - 2.000	G04
AB14119LD	Cylindrospermopsin 1X	0.615 Abs [0.6315]	0.433 ng/mL [0.408]		0.050 - 2.000	H04
20130812LB	Cylindrospermopsin 1X	1.382 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A05
20130812LB	Cylindrospermopsin 1X	1.396 Abs [1.3890]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B05
AB14128	Cylindrospermopsin 1X	1.420 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB14128	Cylindrospermopsin 1X	1.378 Abs [1.3990]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	D05
AB14129	Cylindrospermopsin 1X	1.375 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E05
AB14129	Cylindrospermopsin 1X	1.393 Abs [1.3840]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F05
AB14130	Cylindrospermopsin 1X	1.849 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G05
AB14130	Cylindrospermopsin 1X	1.365 Abs [1.6070]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	H05
AB14131	Cylindrospermopsin 1X	1.378 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A06
AB14131	Cylindrospermopsin 1X	1.370 Abs [1.3740]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B06
AB14132	Cylindrospermopsin 1X	1.379 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C06
AB14132	Cylindrospermopsin 1X	1.346 Abs [1.3625]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D06
AB14133	Cylindrospermopsin 1X	1.407 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E06
AB14133	Cylindrospermopsin 1X	1.552 Abs [1.4795]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F06
Normal Control	Cylindrospermopsin 1X	0.507 Abs	0.713 ng/mL			G06

Notes

Signature



## Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

### Microcystins ADDA ELISA Sample Information

Sample #	Location	Date	Date	Conc. (ppb)
		Collected	Analyzed	
AB14118	Starve Hollow SRA	8/12/2013	8/15/2013	<0.050
AB14119	Deam Lake SRA	8/12/2013	8/15/2013	0.351
AB14120	Fairfax SRA	8/12/2013	8/15/2013	<0.050
AB14121	Paynetown SRA	8/12/2013	8/15/2013	<0.050
AB14122	Hardy Lake SRA	8/12/2013	8/15/2013	<0.050
AB14126	Field Blank	8/12/2013	8/15/2013	<0.050
AB14127	Fairfax SRA (Field Duplicate)	8/12/2013	8/15/2013	<0.050
AB14119LD	Deam Lake SRA (Lab Duplicate)	8/12/2013	8/15/2013	0.406
20130812LB	Lab Blank	8/12/2013	8/15/2013	<0.050
AB14128	Whitewater Memorial SP (FD)	8/13/2013	8/15/2013	<0.050
AB14129	Field Blank	8/13/2013	8/15/2013	<0.050
AB14130	Raccoon Lake SRA	8/13/2013	8/15/2013	<0.050
AB14131	Whitewater Memorial SP	8/13/2013	8/15/2013	<0.050
AB14132	Quakertown SRA	8/13/2013	8/15/2013	<0.050
AB14133	Mounds SRA	8/13/2013	8/15/2013	<0.050