



# 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

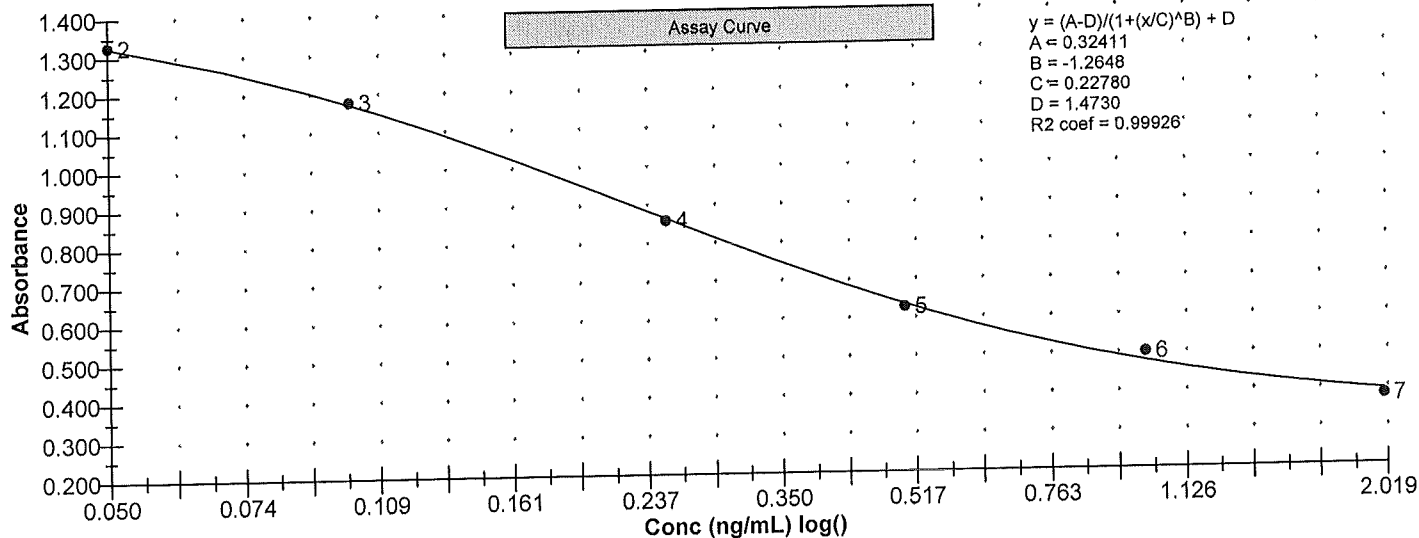
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/21/2013 11:22:46 AM			
Std1	1.453 Abs	0.000 ng/mL	A01
Std1	1.489 Abs	< 0.000 ng/mL	B01
Std2	1.319 Abs	0.052 ng/mL	C01
Std2	1.335 Abs	0.047 ng/mL	D01
Std3	1.206 Abs	0.089 ng/mL	E01
Std3	1.150 Abs	0.108 ng/mL	F01
Std4	0.847 Abs	0.263 ng/mL	G01
Std4	0.871 Abs	0.246 ng/mL	H01
Std5	0.627 Abs	0.513 ng/mL	B02
Std6	0.476 Abs	1.008 ng/mL	C02
Std6	0.524 Abs	0.781 ng/mL	D02
Std7	0.380 Abs	> 2.000 ng/mL	E02
8/21/2013 11:22:46 AM			
Normal Control	0.532 Abs	0.752 ng/mL	G05
Normal Control	0.554 Abs	0.682 ng/mL	H05

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.471	0.025	1.73				
Std2	1.327	0.011	0.85	0.049	0.004	7.14	-2.00
Std3	1.178	0.040	3.36	0.098	0.013	13.64	-2.00
Std4	0.859	0.017	1.98	0.255	0.012	4.72	2.00
Std5	0.627			0.513			2.60
Std6	0.500	0.034	6.79	0.895	0.161	17.94	-10.50
Std7	0.380						-100.00
Normal Control	0.543	0.016	2.86	0.717	0.049	6.90	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/21/2013 11:22:46 AM						
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
AB14243	Cylindrospermopsin 1X	1.454 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB14243	Cylindrospermopsin 1X	1.503 Abs [1.4785]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB14244	Cylindrospermopsin 1X	1.465 Abs	0.000 ng/mL	LOW	0.050 - 2.000	C03
AB14244	Cylindrospermopsin 1X	1.485 Abs [1.4750]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB14244LD	Cylindrospermopsin 1X	1.467 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E03
AB14244LD	Cylindrospermopsin 1X	1.453 Abs [1.4600]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F03
AB14245	Cylindrospermopsin 1X	1.451 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G03
AB14245	Cylindrospermopsin 1X	1.478 Abs [1.4645]	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	H03
AB14246	Cylindrospermopsin 1X	1.419 Abs	0.021 ng/mL	LOW	0.050 - 2.000	A04
AB14246	Cylindrospermopsin 1X	1.383 Abs [1.4010]	0.032 ng/mL [0.027]	Low [Low]	0.050 - 2.000	B04
20130819LB	Cylindrospermopsin 1X	1.550 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C04
20130819LB	Cylindrospermopsin 1X	1.452 Abs [1.5010]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	D04
AB14247	Cylindrospermopsin 1X	1.450 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E04
AB14247	Cylindrospermopsin 1X	1.450 Abs [1.4500]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F04
AB14248	Cylindrospermopsin 1X	1.446 Abs	0.000 ng/mL	LOW	0.050 - 2.000	G04
AB14248	Cylindrospermopsin 1X	1.484 Abs [1.4650]	< 0.000 ng/mL [0.000]	Out(LR) [Low]	0.050 - 2.000	H04
AB14249	Cylindrospermopsin 1X	1.423 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A05
AB14249	Cylindrospermopsin 1X	1.463 Abs [1.4430]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B05
AB14250	Cylindrospermopsin 1X	1.527 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C05
AB14250	Cylindrospermopsin 1X	1.435 Abs [1.4810]	0.000 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	D05
AB14251	Cylindrospermopsin 1X	1.410 Abs	0.024 ng/mL	LOW	0.050 - 2.000	E05
AB14251	Cylindrospermopsin 1X	1.468 Abs [1.4390]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F05
Normal Control	Cylindrospermopsin 1X	0.532 Abs	0.752 ng/mL			G05
Normal Control	Cylindrospermopsin 1X	0.554 Abs	0.682 ng/mL			H05

Notes

Signature *Yusuf Huseyn*  
21 Aug 2013



## Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

### Cylindrospermopsin 1X ADDA ELISA Sample Information

Sample #	Location	Date	Date	Conc. (ppb)
		Collected	Analyzed	
AB14243	Mississinewa Miami SRA	8/19/2013	8/21/2013	<0.050
AB14244	Potato Creek SP	8/19/2013	8/21/2013	<0.050
AB14244LD	Potato Creek SP (LD)	8/19/2013	8/21/2013	<0.050
AB14245	Field Blank	8/19/2013	8/21/2013	<0.050
AB14246	Mississinewa Miami SRA (FD)	8/19/2013	8/21/2013	<0.050
20130819LB	Lab Blank	8/19/2013	8/21/2013	<0.050
AB14247	Chain O' Lakes SP	8/20/2013	8/21/2013	<0.050
AB14248	Pokagon SP	8/20/2013	8/21/2013	<0.050
AB14249	Salamonie Lake	8/20/2013	8/21/2013	<0.050
AB14250	Field Blank	8/20/2013	8/21/2013	<0.050
AB14251	Pokagon SP (FD)	8/20/2013	8/21/2013	<0.050