



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:

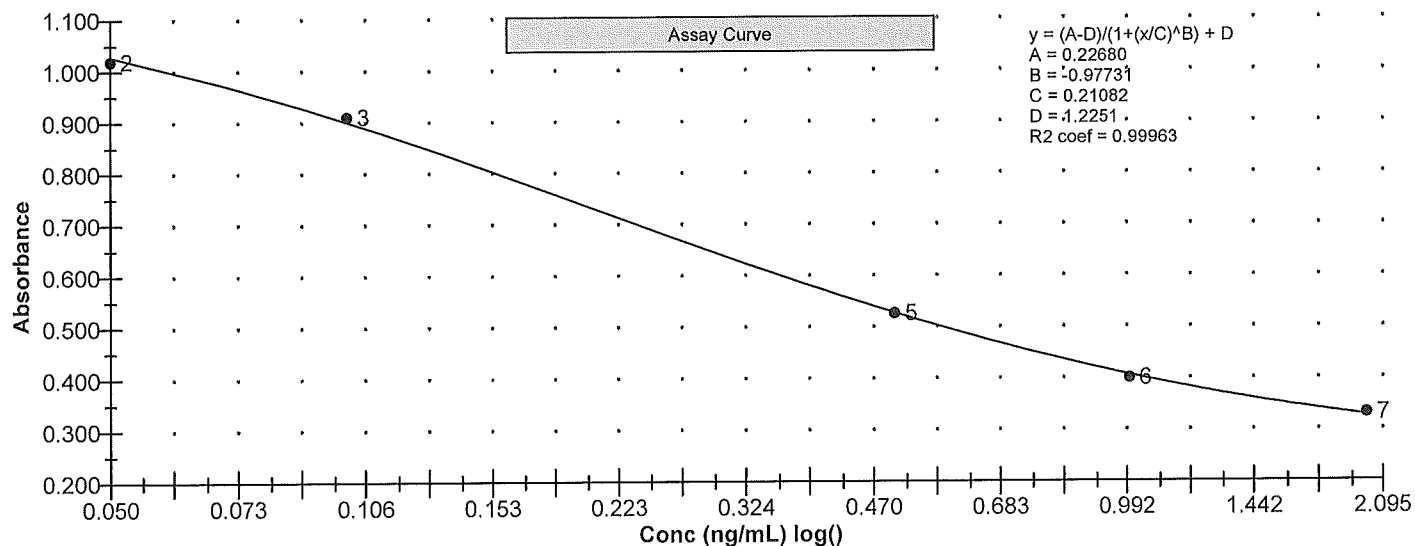
Std1, Concentration = 0.000, Minimum number to use: 2
 Std2, Concentration = 0.050, Minimum number to use: 2
 Std3, Concentration = 0.100, Minimum number to use: 2
 Std4, Concentration = 0.250, Minimum number to use: 2
 Std5, Concentration = 0.500, Minimum number to use: 2
 Std6, Concentration = 1.000, 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
6/20/2013 11:39:06 AM			
Std1	1.201 Abs	0.000 ng/mL	A01
Std1	1.253 Abs	< 0.000 ng/mL	B01
Std2	0.992 Abs	0.062 ng/mL	C01
Std2	1.046 Abs	0.044 ng/mL	D01
Std3	0.939 Abs	0.083 ng/mL	E01
Std3	0.881 Abs	0.109 ng/mL	F01
Std5	0.499 Abs	0.575 ng/mL	A02
Std5	0.554 Abs	0.440 ng/mL	B02
Std6	0.403 Abs	1.020 ng/mL	C02
Std6	0.396 Abs	1.072 ng/mL	D02
Std7	0.326 Abs	> 2.000 ng/mL	E02
Std7	0.335 Abs	1.820 ng/mL	F02
6/20/2013 11:34:56 AM			
Normal Control	0.776 Abs	0.172 ng/mL	G02
Normal Control	0.486 Abs	0.616 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.227	0.037	3.00				
Std2	1.019	0.038	3.75	0.053	0.013	24.01	6.00
Std3	0.910	0.041	4.51	0.096	0.018	19.15	-4.00
Std5	0.526	0.039	7.39	0.507	0.095	18.81	1.40
Std6	0.400	0.005	1.24	1.046	0.037	3.52	4.60
Std7	0.331	0.006	1.93				-100.00
Normal Control	0.631	0.205	32.50	0.394	0.314	79.68	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/20/2013 11:34:56 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
Normal Control	Cylindrospermopsin 1X	0.776 Abs	0.172 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.486 Abs	0.616 ng/mL			H02
AB13373	Cylindrospermopsin 1X	1.152 Abs	0.000 ng/mL	LOW	0.050 - 2.000	A03
AB13373	Cylindrospermopsin 1X	1.138 Abs [1.1450]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	B03
AB13374	Cylindrospermopsin 1X	1.110 Abs	0.026 ng/mL	LOW	0.050 - 2.000	C03
AB13374	Cylindrospermopsin 1X	1.163 Abs [1.1365]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	D03
AB13375	Cylindrospermopsin 1X	1.143 Abs	0.000 ng/mL	LOW	0.050 - 2.000	E03
AB13375	Cylindrospermopsin 1X	1.145 Abs [1.1440]	0.000 ng/mL [0.000]	Low [Low]	0.050 - 2.000	F03
AB13376	Cylindrospermopsin 1X	0.993 Abs	0.062 ng/mL		0.050 - 2.000	G03
AB13376	Cylindrospermopsin 1X	0.912 Abs [0.9525]	0.095 ng/mL [0.077]		0.050 - 2.000	H03
AB13377	Cylindrospermopsin 1X	1.054 Abs	0.042 ng/mL	LOW	0.050 - 2.000	A04
AB13377	Cylindrospermopsin 1X	1.104 Abs [1.0790]	0.028 ng/mL [0.035]	Low [Low]	0.050 - 2.000	B04
AB13377LD	Cylindrospermopsin 1X	1.065 Abs	0.039 ng/mL	LOW	0.050 - 2.000	C04
AB13377LD	Cylindrospermopsin 1X	1.132 Abs [1.0985]	0.021 ng/mL [0.029]	Low [Low]	0.050 - 2.000	D04
20130618lb	Cylindrospermopsin 1X	1.096 Abs	0.030 ng/mL	LOW	0.050 - 2.000	E04
20130618lb	Cylindrospermopsin 1X	1.137 Abs [1.1165]	0.000 ng/mL [0.024]	Low [Low]	0.050 - 2.000	F04
AB13371	Cylindrospermopsin 1X	1.043 Abs	0.045 ng/mL	LOW	0.050 - 2.000	G04
AB13371	Cylindrospermopsin 1X	1.144 Abs [1.0935]	0.000 ng/mL [0.031]	Low [Low]	0.050 - 2.000	H04
AB13372	Cylindrospermopsin 1X	1.115 Abs	0.025 ng/mL	LOW	0.050 - 2.000	A05
AB13372	Cylindrospermopsin 1X	1.134 Abs [1.1245]	0.020 ng/mL [0.022]	Low [Low]	0.050 - 2.000	B05
AB13378	Cylindrospermopsin 1X	1.098 Abs	0.029 ng/mL	LOW	0.050 - 2.000	C05
AB13378	Cylindrospermopsin 1X	1.056 Abs [1.0770]	0.041 ng/mL [0.035]	Low [Low]	0.050 - 2.000	D05
AB13379	Cylindrospermopsin 1X	1.007 Abs	0.057 ng/mL		0.050 - 2.000	E05
AB13379	Cylindrospermopsin 1X	1.071 Abs [1.0390]	0.037 ng/mL [0.047]	Low [Low]	0.050 - 2.000	F05
AB13380	Cylindrospermopsin 1X	1.095 Abs	0.030 ng/mL	LOW	0.050 - 2.000	G05
AB13380	Cylindrospermopsin 1X	0.987 Abs [1.0410]	0.064 ng/mL [0.046]	[Low]	0.050 - 2.000	H05
AB13381	Cylindrospermopsin 1X	1.112 Abs	0.026 ng/mL	LOW	0.050 - 2.000	A06
AB13381	Cylindrospermopsin 1X	1.125 Abs [1.1185]	0.022 ng/mL [0.024]	Low [Low]	0.050 - 2.000	B06

Notes

* Normal Controls are not correct. They are from a different run

Signature

Betty Carlson
6/26/2013



Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13373	Fairfax SRA	6/17/2013	6/20/2013	<0.050
AB13374	Paynetown SRA	6/17/2013	6/20/2013	<0.050
AB13375	Starve Hollow Lake SRA	6/17/2013	6/20/2013	<0.050
AB13376	Deam Lake SRA	6/17/2013	6/20/2013	0.077
AB13377	Hardy Lake	6/17/2013	6/20/2013	<0.050
AB13377LD	Duplicate	6/17/2013	6/20/2013	<0.050
20130618LB	Lab Blank	6/18/2013	6/20/2013	<0.050
AB13371	Raccoon Lake SRA Field Duplicate	6/18/2013	6/20/2013	<0.050
AB13372	Field Blank	6/18/2013	6/20/2013	<0.050
AB13378	Raccoon Lake SRA	6/18/2013	6/20/2013	<0.050
AB13379	Whitewater Memorial SP	6/18/2013	6/20/2013	<0.050
AB13380	Quakertown SRA	6/18/2013	6/20/2013	<0.050
AB13381	Mounds SRA	6/18/2013	6/20/2013	<0.050