Assay Calibration Report

Assay Information

Assay Name: Cylindrospermopsin 1X
Assay Mode: 4-Parameter Logistic
Normal: 0.050 - 2.000

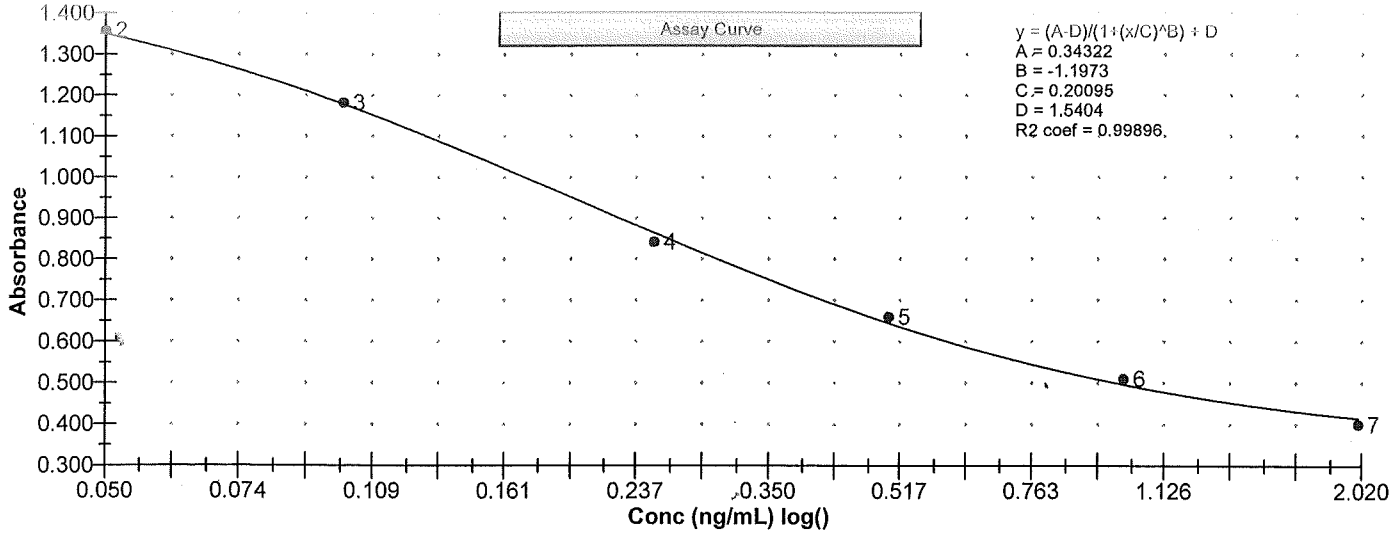
Units: ng/mL
# of decimals: 3
Assay Description:

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
7/3/2012 3:28:39 PM			
Std1	1.509 Abs	0.010 ng/mL	A01
Std1	1.562 Abs	< 0.000 ng/mL	B01
Std2	1.366 Abs	0.046 ng/mL	C01
Std2	1.350 Abs	0.050 ng/mL	D01
Std3	1.141 Abs	0.113 ng/mL	E01
Std3	1.223 Abs	0.086 ng/mL	F01
Std4	0.813 Abs	0.290 ng/mL	G01
Std4	0.872 Abs	0.244 ng/mL	H01
Std5	0.624 Abs	0.540 ng/mL	A02
Std5	0.693 Abs	0.421 ng/mL	B02
Std6	0.539 Abs	0.785 ng/mL	C02
Std6	0.481 Abs	1.104 ng/mL	D02
Std7	0.393 Abs	> 2.000 ng/mL	E02
Std7	0.410 Abs	> 2.000 ng/mL	F02
7/3/2012 3:28:39 PM			
Normal Control	0.571 Abs	0.673 ng/mL	G02
Normal Control	0.590 Abs	0.620 ng/mL	H02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.536	0.037	2.44				
Std2	1.358	0.011	0.83	0.048	0.003	5.89	-4.00
Std3	1.182	0.058	4.91	0.100	0.019	19.19	-0.00
Std4	0.842	0.042	4.95	0.267	0.033	12.18	6.80
Std5	0.659	0.049	7.41	0.481	0.084	17.51	-3.80
Std6	0.510	0.041	8.04	0.944	0.226	23.88	-5.60
Std7	0.401	0.012	2.99				-100.00



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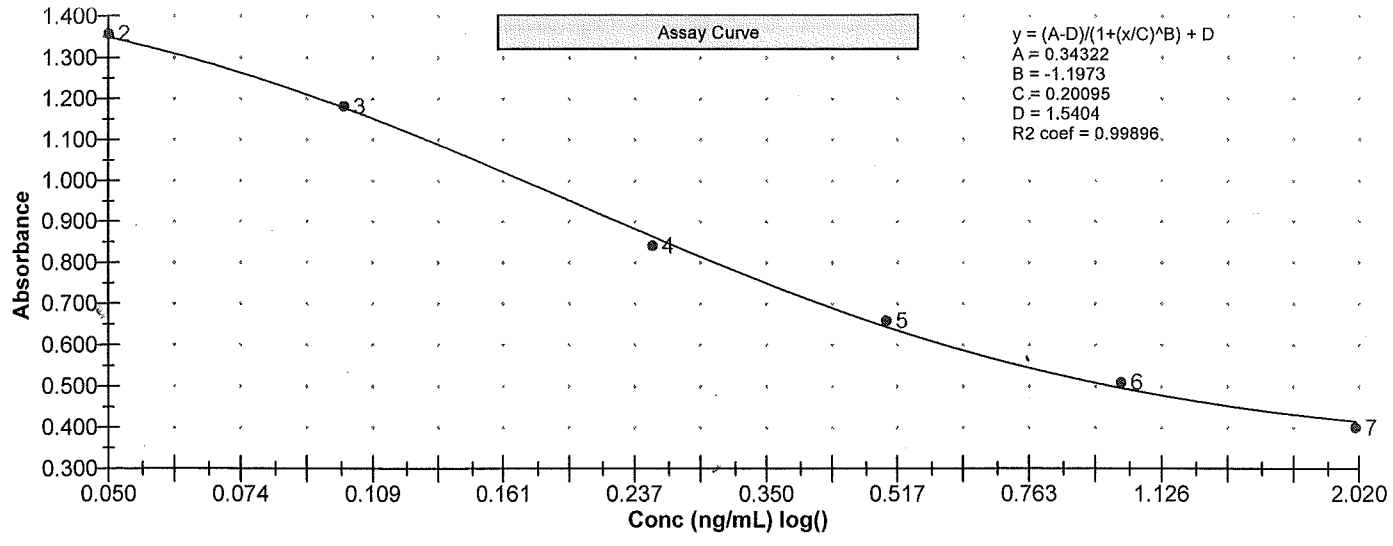
Std5, Concentration = 0.500, Minimum number to use: 2
Std6, Concentration = 1.000, Minimum number to use: 2
Std7, Concentration = 2.000, Minimum number to use: 2
Curve valid interval: 7 days 0 hours
Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Normal Control	0.581	0.013	2.31	0.646	0.037	5.80	



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Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/3/2012 3:28:39 PM			
Std1	Cylindrospermopsin 1X	1.509 Abs	0.010 ng/mL			A01
Std1	Cylindrospermopsin 1X	1.562 Abs	< 0.000 ng/mL			B01
Std2	Cylindrospermopsin 1X	1.366 Abs	0.046 ng/mL			C01
Std2	Cylindrospermopsin 1X	1.350 Abs	0.050 ng/mL			D01
Std3	Cylindrospermopsin 1X	1.141 Abs	0.113 ng/mL			E01
Std3	Cylindrospermopsin 1X	1.223 Abs	0.086 ng/mL			F01
Std4	Cylindrospermopsin 1X	0.813 Abs	0.290 ng/mL			G01
Std4	Cylindrospermopsin 1X	0.872 Abs	0.244 ng/mL			H01
Std5	Cylindrospermopsin 1X	0.624 Abs	0.540 ng/mL			A02
Std5	Cylindrospermopsin 1X	0.693 Abs	0.421 ng/mL			B02
Std6	Cylindrospermopsin 1X	0.539 Abs	0.785 ng/mL			C02
Std6	Cylindrospermopsin 1X	0.481 Abs	1.104 ng/mL			D02
Std7	Cylindrospermopsin 1X	0.393 Abs	> 2.000 ng/mL			E02
Std7	Cylindrospermopsin 1X	0.410 Abs	> 2.000 ng/mL			F02
Normal Control	Cylindrospermopsin 1X	0.571 Abs	0.673 ng/mL			G02
Normal Control	Cylindrospermopsin 1X	0.590 Abs	0.620 ng/mL			H02
AB09095	Cylindrospermopsin 1X	1.525 Abs	0.005 ng/mL	**LOW**	0.050 - 2.000	A03
AB09095	Cylindrospermopsin 1X	1.566 Abs [1.5455]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB09092	Cylindrospermopsin 1X	1.508 Abs	0.010 ng/mL	**LOW**	0.050 - 2.000	C03
AB09092	Cylindrospermopsin 1X	1.569 Abs [1.5385]	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	D03
AB09094	Cylindrospermopsin 1X	1.505 Abs	0.011 ng/mL	**LOW**	0.050 - 2.000	E03
AB09094	Cylindrospermopsin 1X	1.606 Abs [1.5555]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB09093	Cylindrospermopsin 1X	1.668 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB09093	Cylindrospermopsin 1X	1.693 Abs [1.6805]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB09091	Cylindrospermopsin 1X	1.564 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB09091	Cylindrospermopsin 1X	1.588 Abs [1.5760]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB09090	Cylindrospermopsin 1X	1.515 Abs	0.008 ng/mL	**LOW**	0.050 - 2.000	C04
AB09090	Cylindrospermopsin 1X	1.564 Abs [1.5395]	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	D04
AB09089	Cylindrospermopsin 1X	1.445 Abs	0.026 ng/mL	**LOW**	0.050 - 2.000	E04
AB09089	Cylindrospermopsin 1X	1.631 Abs [1.5380]	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	F04
AB09110	Cylindrospermopsin 1X	1.618 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
AB09110	Cylindrospermopsin 1X	1.677 Abs [1.6475]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04
AB09111	Cylindrospermopsin 1X	1.438 Abs	0.028 ng/mL	**LOW**	0.050 - 2.000	A05
AB09111	Cylindrospermopsin 1X	1.463 Abs [1.4505]	0.022 ng/mL [0.025]	Low [Low]	0.050 - 2.000	B05
AB09112	Cylindrospermopsin 1X	1.437 Abs	0.028 ng/mL	**LOW**	0.050 - 2.000	C05
AB09112	Cylindrospermopsin 1X	1.438 Abs [1.4375]	0.028 ng/mL [0.028]	Low [Low]	0.050 - 2.000	D05
AB09113	Cylindrospermopsin 1X	1.402 Abs	0.037 ng/mL	**LOW**	0.050 - 2.000	E05
AB09113	Cylindrospermopsin 1X	1.460 Abs [1.4310]	0.022 ng/mL [0.030]	Low [Low]	0.050 - 2.000	F05
AB09114	Cylindrospermopsin 1X	1.458 Abs	0.023 ng/mL	**LOW**	0.050 - 2.000	G05
AB09114	Cylindrospermopsin 1X	1.526 Abs [1.4920]	0.005 ng/mL [0.014]	Low [Low]	0.050 - 2.000	H05
AB09117	Cylindrospermopsin 1X	1.533 Abs	0.003 ng/mL	**LOW**	0.050 - 2.000	A06
AB09117	Cylindrospermopsin 1X	1.565 Abs [1.5490]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B06
AB09116	Cylindrospermopsin 1X	1.589 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C06
AB09116	Cylindrospermopsin 1X	1.523 Abs [1.5560]	0.006 ng/mL [< 0.000]	Low [Out(LR)]	0.050 - 2.000	D06
AB09115	Cylindrospermopsin 1X	1.522 Abs	0.006 ng/mL	**LOW**	0.050 - 2.000	E06
AB09115	Cylindrospermopsin 1X	1.522 Abs [1.5220]	0.006 ng/mL [0.006]	Low [Low]	0.050 - 2.000	F06
AB09260	Cylindrospermopsin 1X	1.544 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G06
AB09260	Cylindrospermopsin 1X	1.605 Abs [1.5745]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H06

Notes

Signature

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
AB09261	Cylindrospermopsin 1X	1.511 Abs	0.009 ng/mL	**LOW**	0.050 - 2.000	A07
AB09261	Cylindrospermopsin 1X	1.567 Abs [1.5390]	< 0.000 ng/mL [0.001]	Out(LR) [Low]	0.050 - 2.000	B07
AB09262	Cylindrospermopsin 1X	1.551 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C07
AB09262	Cylindrospermopsin 1X	1.563 Abs [1.5570]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D07
AB09258	Cylindrospermopsin 1X	1.482 Abs	0.017 ng/mL	**LOW**	0.050 - 2.000	E07
AB09258	Cylindrospermopsin 1X	1.472 Abs [1.4770]	0.019 ng/mL [0.018]	Low [Low]	0.050 - 2.000	F07
AB09259	Cylindrospermopsin 1X	1.388 Abs	0.040 ng/mL	**LOW**	0.050 - 2.000	G07
AB09259	Cylindrospermopsin 1X	1.467 Abs [1.4275]	0.021 ng/mL [0.030]	Low [Low]	0.050 - 2.000	H07
AB09260LD	Cylindrospermopsin 1X	1.523 Abs	0.006 ng/mL	**LOW**	0.050 - 2.000	A08
AB09260LD	Cylindrospermopsin 1X	1.614 Abs [1.5685]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B08
20120702LB	Cylindrospermopsin 1X	1.614 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C08
20120702LB	Cylindrospermopsin 1X	1.545 Abs [1.5795]	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D08

Notes

July 5, 2012

Signature

Cylindrospermopsin 1X ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09110	Racoon Lake	6/18/2012	7/3/2012	< 0.050
AB09111	Monroe (Hardin Ridge)	6/18/2012	7/3/2012	0.025
AB09112	Monroe (Fairfax)	6/18/2012	7/3/2012	0.028
AB09113	Monroe (Paynetown)	6/18/2012	7/3/2012	0.030
AB09114	Hardy Lake	6/19/2012	7/3/2012	0.014
AB09117	Brookville Lake	6/19/2012	7/3/2012	< 0.050
AB09116	Brookville (Quakertown)	6/19/2012	7/3/2012	< 0.050
AB09115	Whitewater Memorial	6/19/2012	7/3/2012	< 0.050
20120702LB	Lab Blank	6/18/2012	7/3/2012	< 0.050
AB09095	Mississinewa (Miami SRA)	6/25/2012	7/3/2012	< 0.050
AB09092	Mississinewa (Miami SRA)	6/25/2012	7/3/2012	< 0.050
AB09093	Worster Lake (Potato Creek State Park)	6/25/2012	7/3/2012	< 0.050
AB09091	Lake James (Pokagon State Park)	6/26/2012	7/3/2012	< 0.050
AB09090	Sand Lake (Chain O'Lakes State Park)	6/26/2012	7/3/2012	< 0.050
AB09089	Salamonie Reservoir (Lost Bridge West SR	6/26/2012	7/3/2012	< 0.050
AB09094	Field Blank	6/25/2012	7/3/2012	< 0.050
20120702LB	Lab Blank	6/26/2012	7/3/2012	< 0.050
AB09260	Racoon Lake	7/2/2012	7/3/2012	< 0.050
AB09261	Brookeville (Quakertown)	7/2/2012	7/3/2012	< 0.050
AB09262	Brookeville Lake	7/2/2012	7/3/2012	< 0.050
AB09258	Field Duplicate (Quakertown)	7/2/2012	7/3/2012	0.018
AB09259	Field Blank	7/2/2012	7/3/2012	0.030
AB09260LD	Lab Duplicate (Racoon Lake)	7/2/2012	7/3/2012	< 0.050
20120702LB	Lab Blank	7/2/2012	7/3/2012	< 0.050