Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000

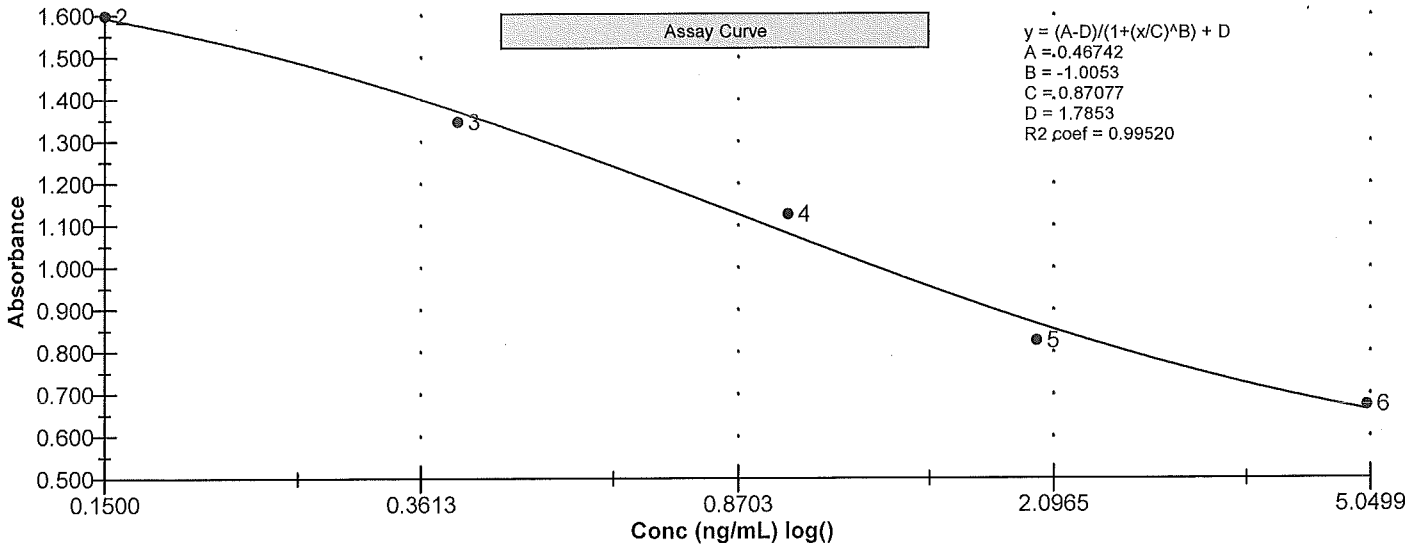
Units: ng/mL
# of decimals: 4
Assay Description:

Controls:
Normal Control
Standards:
Std1, Concentration = 0.0000, Minimum number to use: 2
Std2, Concentration = 0.1500, Minimum number to use: 2
Std3, Concentration = 0.4000, Minimum number to use: 2
Std4, Concentration = 1.0000, Minimum number to use: 2
Std5, Concentration = 2.0000, Minimum number to use: 2
Std6, Concentration = 5.0000, 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 11:39:22 AM			
Std1	1.825 Abs	< 0.0000 ng/mL	A01
Std1	1.746 Abs	0.0273 ng/mL	B01
Std2	1.551 Abs	0.1899 ng/mL	C01
Std2	1.647 Abs	0.1033 ng/mL	D01
Std3	1.343 Abs	0.4415 ng/mL	E01
Std3	1.350 Abs	0.4310 ng/mL	F01
Std4	1.124 Abs	0.8770 ng/mL	G01
Std4	1.130 Abs	0.8610 ng/mL	H01
Std5	0.851 Abs	2.1105 ng/mL	A02
Std5	0.802 Abs	2.5450 ng/mL	B02
Std6	0.661 Abs	> 5.0000 ng/mL	C02
Std6	0.684 Abs	4.3900 ng/mL	D02
7/3/2012 11:39:22 AM			
Normal Control	1.157 Abs	0.7940 ng/mL	E02
Normal Control	1.157 Abs	0.7940 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.786	0.056	3.13				
Std2	1.599	0.068	4.25	0.147	0.061	41.77	-2.00
Std3	1.347	0.005	0.37	0.436	0.007	1.70	9.00
Std4	1.127	0.004	0.38	0.869	0.011	1.30	-13.10
Std5	0.826	0.035	4.19	2.328	0.307	13.20	16.40
Std6	0.673	0.016	2.42				-100.00
Normal Control	1.157	0.000	0.00	0.794	0.000	0.00	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/3/2012 11:39:22 AM			
Std1	Microcystins ADDA	1.825 Abs	< 0.0000 ng/mL			A01
Std1	Microcystins ADDA	1.746 Abs	0.0273 ng/mL			B01
Std2	Microcystins ADDA	1.551 Abs	0.1899 ng/mL			C01
Std2	Microcystins ADDA	1.647 Abs	0.1033 ng/mL			D01
Std3	Microcystins ADDA	1.343 Abs	0.4415 ng/mL			E01
Std3	Microcystins ADDA	1.350 Abs	0.4310 ng/mL			F01
Std4	Microcystins ADDA	1.124 Abs	0.8770 ng/mL			G01
Std4	Microcystins ADDA	1.130 Abs	0.8610 ng/mL			H01
Std5	Microcystins ADDA	0.851 Abs	2.1105 ng/mL			A02
Std5	Microcystins ADDA	0.802 Abs	2.5450 ng/mL			B02
Std6	Microcystins ADDA	0.661 Abs	> 5.0000 ng/mL			C02
Std6	Microcystins ADDA	0.684 Abs	4.3900 ng/mL			D02
Normal Control	Microcystins ADDA	1.157 Abs	0.7940 ng/mL			E02
Normal Control	Microcystins ADDA	1.157 Abs	0.7940 ng/mL			F02
AB09260	Microcystins ADDA	1.057 Abs	1.0745 ng/mL		0.1500 - 5.0000	G02
AB09260	Microcystins ADDA	1.162 Abs [1.1095]	0.7820 ng/mL [0.9160]		0.1500 - 5.0000	H02
AB09261	Microcystins ADDA	1.701 Abs	0.0604 ng/mL	**LOW**	0.1500 - 5.0000	A03
AB09261	Microcystins ADDA	1.633 Abs [1.6670]	0.1150 ng/mL [0.0870]	Low [Low]	0.1500 - 5.0000	B03
AB09262	Microcystins ADDA	1.695 Abs	0.0650 ng/mL	**LOW**	0.1500 - 5.0000	C03
AB09262	Microcystins ADDA	1.694 Abs [1.6945]	0.0658 ng/mL [0.0654]	Low [Low]	0.1500 - 5.0000	D03
AB09258	Microcystins ADDA	1.705 Abs	0.0573 ng/mL	**LOW**	0.1500 - 5.0000	E03
AB09258	Microcystins ADDA	1.759 Abs [1.7320]	0.0182 ng/mL [0.0373]	Low [Low]	0.1500 - 5.0000	F03
AB09259	Microcystins ADDA	1.828 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB09259	Microcystins ADDA	2.113 Abs [1.9705]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H03
AB09260LD	Microcystins ADDA	1.007 Abs	1.2535 ng/mL		0.1500 - 5.0000	A04
AB09260LD	Microcystins ADDA	0.941 Abs [0.9740]	1.5475 ng/mL [1.3910]		0.1500 - 5.0000	B04
20120702LB	Microcystins ADDA	1.850 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
20120702LB	Microcystins ADDA	1.974 Abs [1.9120]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D04

Notes

Signature Betty Rutsch 7/5/12

Microcystin ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09260	Racoon Lake	7/2/2012	7/3/2012	0.916
AB09261	Brookeville (Quakertown)	7/2/2012	7/3/2012	< 0.150
AB09262	Brookeville Lake	7/2/2012	7/3/2012	< 0.150
AB09258	Field Duplicate (Quakertown)	7/2/2012	7/3/2012	< 0.150
AB09259	Field Blank	7/2/2012	7/3/2012	< 0.150
AB09260LD	Lab Duplicate (Racoon Lake)	7/2/2012	7/3/2012	1.391
20120702LB	Lab Blank	7/2/2012	7/3/2012	< 0.150