Assay Calibration Report

Assay Information

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

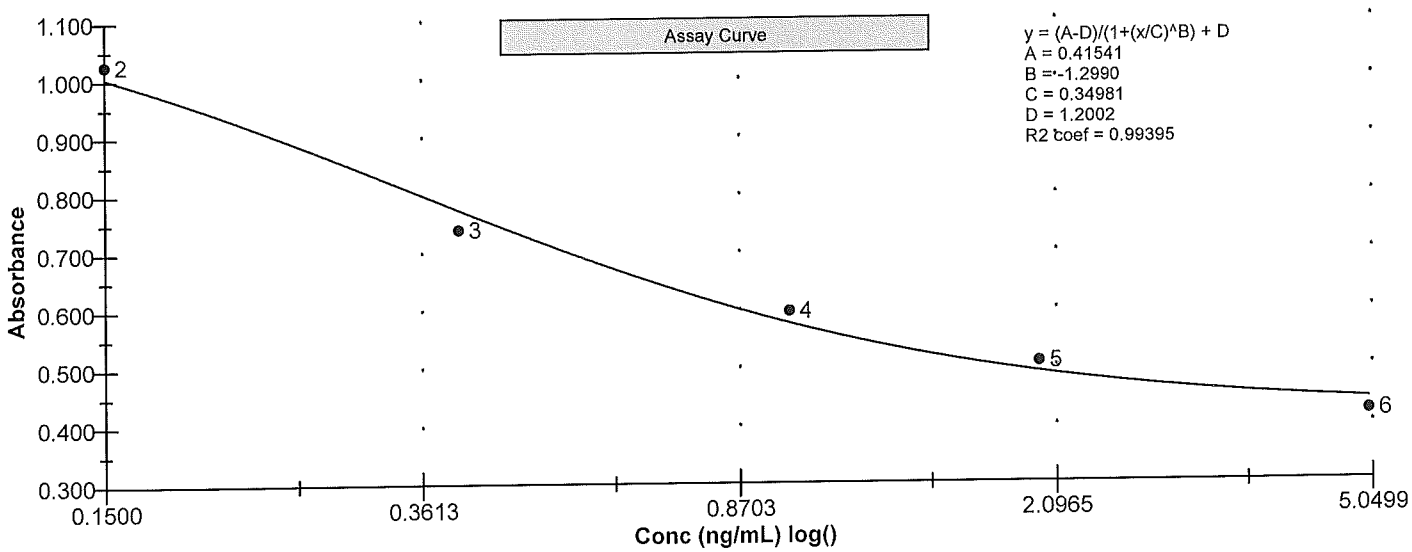
Units: ng/mL
# of decimals: 4
Assay Description:

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
8/29/2012 10:35:54 AM			
Std1	1.230 Abs	< 0.0000 ng/mL	A01
Std1	1.158 Abs	0.0385 ng/mL	B01
Std2	1.000 Abs	0.1534 ng/mL	C01
Std2	1.051 Abs	0.1147 ng/mL	D01
Std3	0.735 Abs	0.4670 ng/mL	E01
Std3	0.745 Abs	0.4485 ng/mL	F01
Std4	0.584 Abs	0.9485 ng/mL	G01
Std4	0.608 Abs	0.8305 ng/mL	H01
Std5	0.525 Abs	1.4175 ng/mL	A02
Std5	0.488 Abs	2.0300 ng/mL	B02
Std6	0.415 Abs	> 5.0000 ng/mL	C02
Std6	0.422 Abs	> 5.0000 ng/mL	D02
8/29/2012 10:35:54 AM			
Normal Control	0.659 Abs	0.6465 ng/mL	E02
Normal Control	0.660 Abs	0.6440 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.194	0.051	4.26				
Std2	1.026	0.036	3.52	0.134	0.027	20.41	-10.67
Std3	0.740	0.007	0.96	0.458	0.013	2.86	14.50
Std4	0.596	0.017	2.85	0.890	0.083	9.38	-11.00
Std5	0.507	0.026	5.17	1.724	0.433	25.13	-13.80
Std6	0.419	0.005	1.18				-100.00
Normal Control	0.660	0.001	0.11	0.645	0.002	0.27	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/29/2012 10:35:54 AM			
Std1	Microcystins ADDA	1.230 Abs	< 0.0000 ng/mL			A01
Std1	Microcystins ADDA	1.158 Abs	0.0385 ng/mL			B01
Std2	Microcystins ADDA	1.000 Abs	0.1534 ng/mL			C01
Std2	Microcystins ADDA	1.051 Abs	0.1147 ng/mL			D01
Std3	Microcystins ADDA	0.735 Abs	0.4670 ng/mL			E01
Std3	Microcystins ADDA	0.745 Abs	0.4485 ng/mL			F01
Std4	Microcystins ADDA	0.584 Abs	0.9485 ng/mL			G01
Std4	Microcystins ADDA	0.608 Abs	0.8305 ng/mL			H01
Std5	Microcystins ADDA	0.525 Abs	1.4175 ng/mL			A02
Std5	Microcystins ADDA	0.488 Abs	2.0300 ng/mL			B02
Std6	Microcystins ADDA	0.415 Abs	> 5.0000 ng/mL			C02
Std6	Microcystins ADDA	0.422 Abs	> 5.0000 ng/mL			D02
Normal Control	Microcystins ADDA	0.659 Abs	0.6465 ng/mL			E02
Normal Control	Microcystins ADDA	0.660 Abs	0.6440 ng/mL			F02
AB09934	Microcystins ADDA	0.629 Abs	0.7460 ng/mL		0.1500 - 5.0000	G02
AB09934	Microcystins ADDA	0.602 Abs [0.6155]	0.8575 ng/mL [0.7985]		0.1500 - 5.0000	H02
AB09933	Microcystins ADDA	0.838 Abs	0.3108 ng/mL		0.1500 - 5.0000	A03
AB09933	Microcystins ADDA	0.835 Abs [0.8365]	0.3144 ng/mL [0.3125]		0.1500 - 5.0000	B03
AB09935	Microcystins ADDA	0.958 Abs	0.1880 ng/mL		0.1500 - 5.0000	C03
AB09935	Microcystins ADDA	0.932 Abs [0.9450]	0.2113 ng/mL [0.1995]		0.1500 - 5.0000	D03
AB09931	Microcystins ADDA	0.855 Abs	0.2905 ng/mL		0.1500 - 5.0000	E03
AB09931	Microcystins ADDA	0.829 Abs [0.8420]	0.3220 ng/mL [0.3059]		0.1500 - 5.0000	F03
AB09936	Microcystins ADDA	0.853 Abs	0.2928 ng/mL		0.1500 - 5.0000	G03
AB09936	Microcystins ADDA	0.842 Abs [0.8475]	0.3059 ng/mL [0.2993]		0.1500 - 5.0000	H03
AB09930	Microcystins ADDA	1.273 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB09930	Microcystins ADDA	1.281 Abs [1.2770]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B04
20120827LB	Microcystins ADDA	1.295 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
20120827LB	Microcystins ADDA	1.288 Abs [1.2915]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D04
AB09927	Microcystins ADDA	1.196 Abs	0.0064 ng/mL	**LOW**	0.1500 - 5.0000	E04
AB09927	Microcystins ADDA	1.202 Abs [1.1990]	< 0.0000 ng/mL [0.0000]	Out(LR) [Low]	0.1500 - 5.0000	F04
AB09926	Microcystins ADDA	1.101 Abs	0.0790 ng/mL	**LOW**	0.1500 - 5.0000	G04
AB09926	Microcystins ADDA	1.096 Abs [1.0985]	0.0825 ng/mL [0.0808]	Low [Low]	0.1500 - 5.0000	H04
AB09928	Microcystins ADDA	1.147 Abs	0.0465 ng/mL	**LOW**	0.1500 - 5.0000	A05
AB09928	Microcystins ADDA	1.168 Abs [1.1575]	0.0310 ng/mL [0.0389]	Low [Low]	0.1500 - 5.0000	B05
AB09924	Microcystins ADDA	1.172 Abs	0.0279 ng/mL	**LOW**	0.1500 - 5.0000	C05
AB09924	Microcystins ADDA	1.167 Abs [1.1695]	0.0318 ng/mL [0.0299]	Low [Low]	0.1500 - 5.0000	D05
AB09926LD	Microcystins ADDA	1.084 Abs	0.0910 ng/mL	**LOW**	0.1500 - 5.0000	E05
AB09926LD	Microcystins ADDA	1.057 Abs [1.0705]	0.1103 ng/mL [0.1005]	Low [Low]	0.1500 - 5.0000	F05
AB09920	Microcystins ADDA	0.911 Abs	0.2310 ng/mL		0.1500 - 5.0000	G05
AB09920	Microcystins ADDA	0.932 Abs [0.9215]	0.2113 ng/mL [0.2210]		0.1500 - 5.0000	H05
AB09921	Microcystins ADDA	1.032 Abs	0.1287 ng/mL	**LOW**	0.1500 - 5.0000	A06
AB09921	Microcystins ADDA	0.998 Abs [1.0150]	0.1549 ng/mL [0.1417]	[Low]	0.1500 - 5.0000	B06
AB09922	Microcystins ADDA	1.120 Abs	0.0658 ng/mL	**LOW**	0.1500 - 5.0000	C06
AB09922	Microcystins ADDA	1.126 Abs [1.1230]	0.0615 ng/mL [0.0636]	Low [Low]	0.1500 - 5.0000	D06
AB09923	Microcystins ADDA	1.006 Abs	0.1487 ng/mL	**LOW**	0.1500 - 5.0000	E06
AB09923	Microcystins ADDA	1.023 Abs [1.0145]	0.1355 ng/mL [0.1420]	Low [Low]	0.1500 - 5.0000	F06
AB09918	Microcystins ADDA	0.964 Abs	0.1830 ng/mL		0.1500 - 5.0000	G06
AB09918	Microcystins ADDA	0.962 Abs [0.9630]	0.1845 ng/mL [0.1838]		0.1500 - 5.0000	H06

Notes

Signature

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
AB09919	Microcystins ADDA	1.332 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A07
AB09919	Microcystins ADDA	1.251 Abs [1.2915]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B07

Notes Betty Rastell 8/29/12

Signature

Microcystins ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09934	Worster Lake (Potato Creek State Park)	8/27/2012	8/29/2012	0.799
AB09933	Mississinewa (Miami SRA)	8/27/2012	8/29/2012	0.313
AB09935	Long Lake (Chain O Lakes)	8/27/2012	8/29/2012	0.200
AB09931	Salamonie (Lost Bridge West SRA)	8/27/2012	8/29/2012	0.306
AB09936	Field Duplicate (Salamonie)	8/27/2012	8/29/2012	0.299
AB09930	Field Blank	8/27/2012	8/29/2012	< 0.150
20120827LB	Lab Blank	8/28/2012	8/29/2012	< 0.150
AB09927	Monroe (Fairfax SRA)	8/28/2012	8/29/2012	< 0.150
AB09926	Monroe (Paynetown SRA)	8/28/2012	8/29/2012	< 0.150
AB09928	Monroe (Harden Ridge)	8/28/2012	8/29/2012	< 0.150
AB09924	Cecil M. Harden (Raccoon SRA)	8/28/2012	8/29/2012	< 0.150
AB09926LD	Lab Duplicate (Paynetown SRA)	8/28/2012	8/29/2012	< 0.150
AB09920	Hardy Lake	8/28/2012	8/29/2012	0.221
AB09921	Whitewater Memorial	8/28/2012	8/29/2012	< 0.150
AB09922	Brookville Lake (Quakertown SRA)	8/28/2012	8/29/2012	< 0.150
AB09923	Brookville Lake (Mounds SRA)	8/28/2012	8/29/2012	< 0.150
AB09918	Field Duplicate (Whitewater Memorial)	8/28/2012	8/29/2012	0.184
AB09919	Field Blank	8/28/2012	8/29/2012	< 0.150