Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.2000 - 5.0000

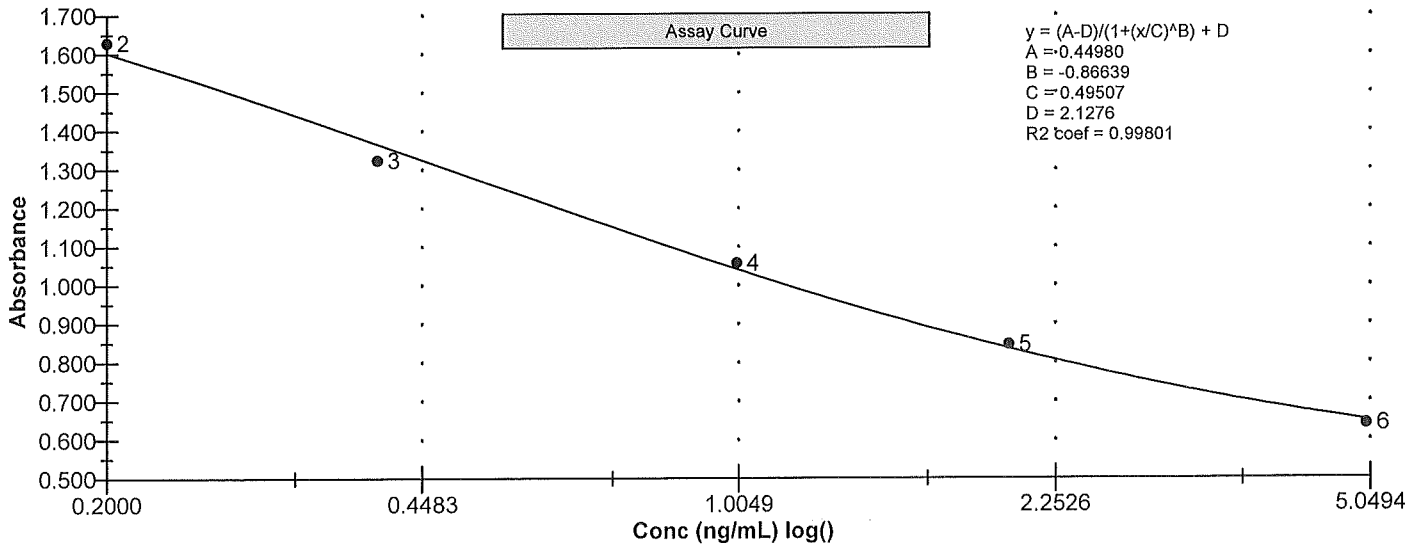
Units: ng/mL
# of decimals: 4
Assay Description:

Controls:
Normal Control
Standards:
Std1, Concentration = 0.0000, Minimum number to use: 2
Std2, Concentration = 0.2000, 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
8/14/2013 1:05:13 PM			
Std1	2.105 Abs	0.0035 ng/mL	A01
Std1	2.145 Abs	< 0.0000 ng/mL	B01
Std2	1.683 Abs	0.1525 ng/mL	C01
Std2	1.575 Abs	0.2178 ng/mL	D01
Std3	1.326 Abs	0.4466 ng/mL	E01
Std3	1.322 Abs	0.4516 ng/mL	F01
Std4	1.029 Abs	1.0365 ng/mL	G01
Std4	1.085 Abs	0.8770 ng/mL	H01
Std5	0.956 Abs	1.3045 ng/mL	A02
Std5	0.737 Abs	3.0585 ng/mL	B02
Std6	0.653 Abs	4.8750 ng/mL	C02
Std6	0.626 Abs	> 5.0000 ng/mL	D02
8/14/2013 1:05:13 PM			
Normal Control	1.098 Abs	0.8445 ng/mL	E02
Normal Control	1.114 Abs	0.8065 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.125	0.028	1.33				
Std2	1.629	0.076	4.69	0.185	0.046	24.94	-7.50
Std3	1.324	0.003	0.21	0.449	0.004	0.79	12.25
Std4	1.057	0.040	3.75	0.957	0.113	11.79	-4.30
Std5	0.846	0.155	18.29	2.181	1.240	56.85	9.05
Std6	0.640	0.019	2.99				-100.00
Normal Control	1.106	0.011	1.02	0.826	0.027	3.26	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/14/2013 1:05:13 PM			
Std1	Microcystins ADDA	2.105 Abs	0.0035 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.145 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.683 Abs	0.1525 ng/mL		0.2000	C01
Std2	Microcystins ADDA	1.575 Abs	0.2178 ng/mL		0.2000	D01
Std3	Microcystins ADDA	1.326 Abs	0.4466 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.322 Abs	0.4516 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.029 Abs	1.0365 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.085 Abs	0.8770 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.956 Abs	1.3045 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.737 Abs	3.0585 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.653 Abs	4.8750 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.626 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.098 Abs	0.8445 ng/mL			E02
Normal Control	Microcystins ADDA	1.114 Abs	0.8065 ng/mL			F02
AB14118	Microcystins ADDA	1.998 Abs	0.0282 ng/mL	**LOW**	0.2000 - 5.0000	G02
AB14118	Microcystins ADDA	2.091 Abs [2.0445]	0.0061 ng/mL [0.0163]	Low [Low]	0.2000 - 5.0000	H02
AB14119	Microcystins ADDA	2.050 Abs	0.0150 ng/mL	**LOW**	0.2000 - 5.0000	A03
AB14119	Microcystins ADDA	2.154 Abs [2.1020]	< 0.0000 ng/mL [0.0041]	Out(LR) [Low]	0.2000 - 5.0000	B03
AB14120	Microcystins ADDA	2.185 Abs	< 0.0000 ng/mL	Out(LR)	0.2000 - 5.0000	C03
AB14120	Microcystins ADDA	2.090 Abs [2.1375]	0.0064 ng/mL [< 0.0000]	Low [Out(LR)]	0.2000 - 5.0000	D03
AB14121	Microcystins ADDA	1.956 Abs	0.0404 ng/mL	**LOW**	0.2000 - 5.0000	E03
AB14121	Microcystins ADDA	2.128 Abs [2.0420]	< 0.0000 ng/mL [0.0170]	Out(LR) [Low]	0.2000 - 5.0000	F03
AB14122	Microcystins ADDA	1.844 Abs	0.0787 ng/mL	**LOW**	0.2000 - 5.0000	G03
AB14122	Microcystins ADDA	1.741 Abs [1.7925]	0.1230 ng/mL [0.0997]	Low [Low]	0.2000 - 5.0000	H03
AB14126	Microcystins ADDA	1.968 Abs	0.0368 ng/mL	**LOW**	0.2000 - 5.0000	A04
AB14126	Microcystins ADDA	2.096 Abs [2.0320]	0.0052 ng/mL [0.0194]	Low [Low]	0.2000 - 5.0000	B04
AB14127	Microcystins ADDA	2.003 Abs	0.0269 ng/mL	**LOW**	0.2000 - 5.0000	C04
AB14127	Microcystins ADDA	2.008 Abs [2.0055]	0.0256 ng/mL [0.0262]	Low [Low]	0.2000 - 5.0000	D04
AB14119LD	Microcystins ADDA	2.177 Abs	< 0.0000 ng/mL	Out(LR)	0.2000 - 5.0000	E04
AB14119LD	Microcystins ADDA	1.976 Abs [2.0765]	0.0344 ng/mL [0.0091]	Low [Low]	0.2000 - 5.0000	F04
20130812LB	Microcystins ADDA	2.200 Abs	< 0.0000 ng/mL	Out(LR)	0.2000 - 5.0000	G04
20130812LB	Microcystins ADDA	2.168 Abs [2.1840]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.2000 - 5.0000	H04
AB14128	Microcystins ADDA	2.021 Abs	0.0222 ng/mL	**LOW**	0.2000 - 5.0000	A05
AB14128	Microcystins ADDA	2.062 Abs [2.0415]	0.0123 ng/mL [0.0171]	Low [Low]	0.2000 - 5.0000	B05
AB14129	Microcystins ADDA	2.312 Abs	< 0.0000 ng/mL	Out(LR)	0.2000 - 5.0000	C05
AB14129	Microcystins ADDA	2.265 Abs [2.2885]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.2000 - 5.0000	D05
AB14130	Microcystins ADDA	1.310 Abs	0.4670 ng/mL		0.2000 - 5.0000	E05
AB14130	Microcystins ADDA	1.357 Abs [1.3335]	0.4100 ng/mL [0.4375]		0.2000 - 5.0000	F05
AB14131	Microcystins ADDA	1.925 Abs	0.0501 ng/mL	**LOW**	0.2000 - 5.0000	G05
AB14131	Microcystins ADDA	2.086 Abs [2.0055]	0.0072 ng/mL [0.0262]	Low [Low]	0.2000 - 5.0000	H05
AB14132	Microcystins ADDA	1.514 Abs	0.2621 ng/mL		0.2000 - 5.0000	A06
AB14132	Microcystins ADDA	1.642 Abs [1.5780]	0.1755 ng/mL [0.2158]	**LOW**	0.2000 - 5.0000	B06
AB14133	Microcystins ADDA	1.693 Abs	0.1471 ng/mL	**LOW**	0.2000 - 5.0000	C06
AB14133	Microcystins ADDA	1.563 Abs [1.6280]	0.2261 ng/mL [0.1839]	[Low]	0.2000 - 5.0000	D06

Notes 8/14/13

Signature Betty Radis

Microcystin ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB14118	Starve Hollow SRA	8/12/2013	8/14/2013	< 0.200
AB14119	Deam Lake SRA	8/12/2013	8/14/2013	< 0.200
AB14120	Fairfax SRA	8/12/2013	8/14/2013	< 0.200
AB14121	Paynetown SRA	8/12/2013	8/14/2013	< 0.200
AB14122	Hardy Lake SRA	8/12/2013	8/14/2013	< 0.200
AB14126	Field Blank	8/12/2013	8/14/2013	< 0.200
AB14127	Field Duplicate (Fairfax SRA)	8/12/2013	8/14/2013	< 0.200
AB14119LD	Lab Duplicate (Deam Lake)	8/12/2013	8/14/2013	< 0.200
20130812LB	Lab Blank	8/12/2013	8/14/2013	< 0.200
AB14128	Field Duplicate (Whitewater Memorial)	8/13/2013	8/14/2013	< 0.200
AB14129	Field Blank	8/13/2013	8/14/2013	< 0.200
AB14130	Raccoon Lake SRA	8/13/2013	8/14/2013	0.438
AB14131	Whitewater Memorial SP	8/13/2013	8/14/2013	< 0.200
AB14132	Quakertown SRA	8/13/2013	8/14/2013	0.216
AB14133	Mounds SRA	8/13/2013	8/14/2013	< 0.200