Assay Calibration Report

Assay Information

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

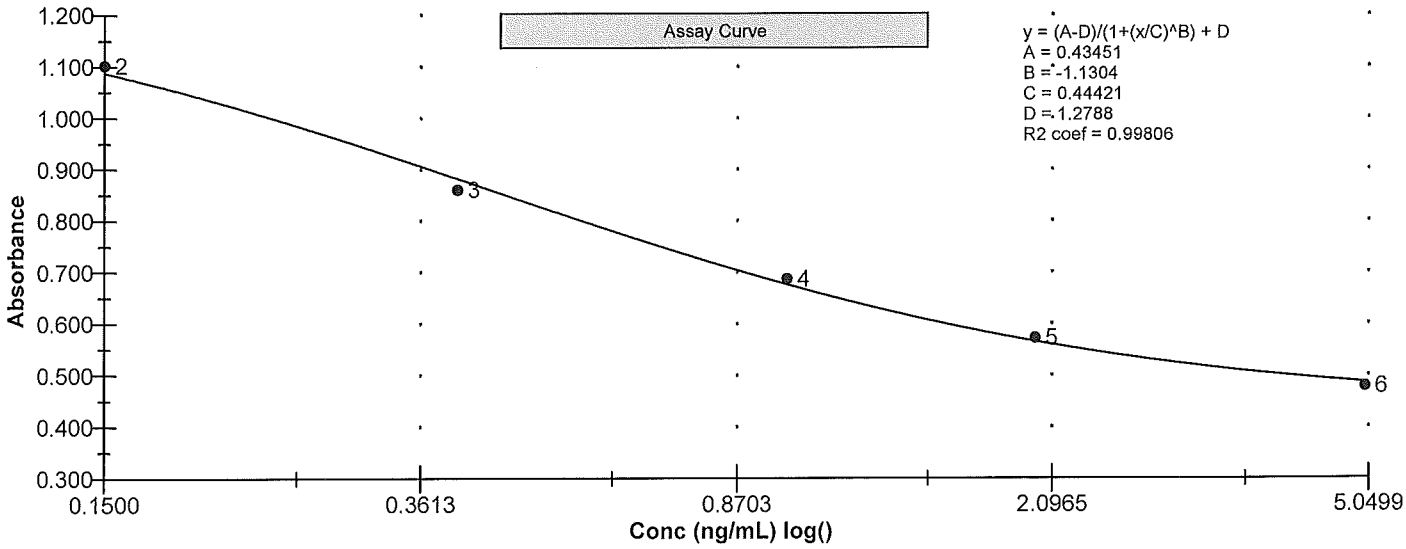
Units: ng/mL
# of decimals: 4
Assay Description:

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
8/22/2012 10:37:57 AM			
Std1	1.289 Abs	< 0.0000 ng/mL	A01
Std1	1.260 Abs	0.0157 ng/mL	B01
Std2	1.133 Abs	0.1110 ng/mL	C01
Std2	1.072 Abs	0.1640 ng/mL	D01
Std3	0.909 Abs	0.3564 ng/mL	E01
Std3	0.812 Abs	0.5360 ng/mL	F01
Std4	0.657 Abs	1.1020 ng/mL	G01
Std4	0.716 Abs	0.8200 ng/mL	H01
Std5	0.568 Abs	1.9500 ng/mL	A02
Std5	0.576 Abs	1.8350 ng/mL	B02
Std6	0.460 Abs	> 5.0000 ng/mL	C02
Std6	0.495 Abs	4.2850 ng/mL	D02
8/22/2012 10:37:57 AM			
Normal Control	0.702 Abs	0.8765 ng/mL	E02
Normal Control	0.691 Abs	0.9250 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.275	0.021	1.61				
Std2	1.102	0.043	3.91	0.138	0.037	27.26	-8.00
Std3	0.860	0.069	7.97	0.446	0.127	28.46	11.50
Std4	0.687	0.042	6.08	0.961	0.199	20.75	-3.90
Std5	0.572	0.006	0.99	1.893	0.081	4.30	-5.35
Std6	0.478	0.025	5.18				-100.00
Normal Control	0.697	0.008	1.12	0.901	0.034	3.81	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/22/2012 10:37:57 AM						
Std1	Microcystins ADDA	1.289 Abs	< 0.0000 ng/mL			A01
Std1	Microcystins ADDA	1.260 Abs	0.0157 ng/mL			B01
Std2	Microcystins ADDA	1.133 Abs	0.1110 ng/mL			C01
Std2	Microcystins ADDA	1.072 Abs	0.1640 ng/mL			D01
Std3	Microcystins ADDA	0.909 Abs	0.3564 ng/mL			E01
Std3	Microcystins ADDA	0.812 Abs	0.5360 ng/mL			F01
Std4	Microcystins ADDA	0.657 Abs	1.1020 ng/mL			G01
Std4	Microcystins ADDA	0.716 Abs	0.8200 ng/mL			H01
Std5	Microcystins ADDA	0.568 Abs	1.9500 ng/mL			A02
Std5	Microcystins ADDA	0.576 Abs	1.8350 ng/mL			B02
Std6	Microcystins ADDA	0.460 Abs	> 5.0000 ng/mL			C02
Std6	Microcystins ADDA	0.495 Abs	4.2850 ng/mL			D02
Normal Control	Microcystins ADDA	0.702 Abs	0.8765 ng/mL			E02
Normal Control	Microcystins ADDA	0.691 Abs	0.9250 ng/mL			F02
AB09103	Microcystins ADDA	0.615 Abs	1.4050 ng/mL		0.1500 - 5.0000	G02
AB09103	Microcystins ADDA	0.584 Abs [0.5995]	1.7300 ng/mL [1.5525]		0.1500 - 5.0000	H02
AB09104	Microcystins ADDA	1.162 Abs	0.0880 ng/mL	**LOW**	0.1500 - 5.0000	A03
AB09104	Microcystins ADDA	1.109 Abs [1.1355]	0.1310 ng/mL [0.1090]	Low [Low]	0.1500 - 5.0000	B03
AB09105	Microcystins ADDA	1.248 Abs	0.0245 ng/mL	**LOW**	0.1500 - 5.0000	C03
AB09105	Microcystins ADDA	1.276 Abs [1.2620]	0.0000 ng/mL [0.0142]	Low [Low]	0.1500 - 5.0000	D03
AB09109	Microcystins ADDA	1.083 Abs	0.1540 ng/mL		0.1500 - 5.0000	E03
AB09109	Microcystins ADDA	1.146 Abs [1.1145]	0.1006 ng/mL [0.1265]	Low [Low]	0.1500 - 5.0000	F03
AB09843	Microcystins ADDA	0.621 Abs	1.3550 ng/mL		0.1500 - 5.0000	G03
AB09843	Microcystins ADDA	0.638 Abs [0.6295]	1.2250 ng/mL [1.2870]		0.1500 - 5.0000	H03
20120820LB	Microcystins ADDA	1.334 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
20120820LB	Microcystins ADDA	1.338 Abs [1.3360]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B04
AB09843LD	Microcystins ADDA	0.661 Abs	1.0790 ng/mL		0.1500 - 5.0000	C04
AB09843LD	Microcystins ADDA	0.657 Abs [0.6590]	1.1020 ng/mL [1.0905]		0.1500 - 5.0000	D04
AB09106	Microcystins ADDA	1.038 Abs	0.1970 ng/mL		0.1500 - 5.0000	E04
AB09106	Microcystins ADDA	1.053 Abs [1.0455]	0.1822 ng/mL [0.1895]		0.1500 - 5.0000	F04
AB09107	Microcystins ADDA	0.860 Abs	0.4380 ng/mL		0.1500 - 5.0000	G04
AB09107	Microcystins ADDA	0.798 Abs [0.8290]	0.5690 ng/mL [0.4990]		0.1500 - 5.0000	H04
AB09108	Microcystins ADDA	1.323 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB09108	Microcystins ADDA	1.268 Abs [1.2955]	0.0095 ng/mL [< 0.0000]	Low [Out(LR)]	0.1500 - 5.0000	B05
Check A	Microcystins ADDA	1.206 Abs	0.0550 ng/mL	**LOW**	0.1500 - 5.0000	C05
Check A	Microcystins ADDA	1.201 Abs [1.2035]	0.0587 ng/mL [0.0569]	Low [Low]	0.1500 - 5.0000	D05
Check B	Microcystins ADDA	0.583 Abs	1.7405 ng/mL		0.1500 - 5.0000	E05
Check B	Microcystins ADDA	0.555 Abs [0.5690]	2.1700 ng/mL [1.9350]		0.1500 - 5.0000	F05
Check C	Microcystins ADDA	0.412 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
Check C	Microcystins ADDA	0.444 Abs [0.4280]	> 5.0000 ng/mL [> 5.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H05

Notes

Betty Bailiff
8/22/2012
Signature

Microcystins ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB09103	Salamonie (Lost Bridge SRA)	8/20/2012	8/22/2012	1.553
AB09104	Sand Lake (Chain O'Lake State Park)	8/20/2012	8/22/2012	< 0.150
AB09105	Lake James (Pokagon State Park)	8/20/2012	8/22/2012	< 0.150
AB09109	Field Duplicate (Sand Lake)	8/20/2012	8/22/2012	< 0.150
AB09843	Long Lake (Chain O'Lake State Park)	8/20/2012	8/22/2012	1.287
20120820LB	Lab Blank	8/20/2012	8/22/2012	< 0.150
AB09843LD	Lab Duplicate (Long Lake)	8/20/2012	8/22/2012	1.091
AB09106	Mississinewa (Miami SRA)	8/21/2012	8/22/2012	0.190
AB09107	Worster Lake (Potato Creek State Park)	8/21/2012	8/22/2012	0.499
AB09108	Field Blank	8/21/2012	8/22/2012	< 0.150