Assay Calibration Report

Assay Information

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

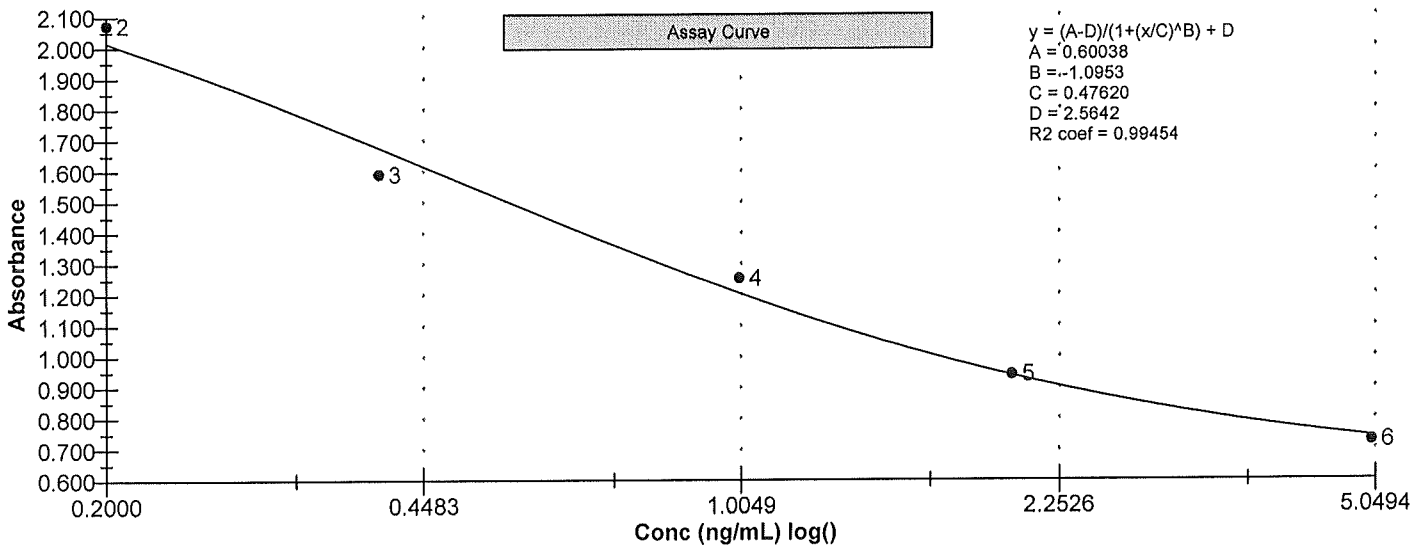
Units: ng/mL
# of decimals: 4
Assay Description:

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
8/7/2013 11:36:48 AM			
Std1	2.564 Abs	0.0001 ng/mL	A01
Std1	2.548 Abs	0.0060 ng/mL	B01
Std2	2.120 Abs	0.1549 ng/mL	C01
Std2	2.026 Abs	0.1956 ng/mL	D01
Std3	1.590 Abs	0.4695 ng/mL	E01
Std4	1.229 Abs	0.9475 ng/mL	G01
Std4	1.276 Abs	0.8585 ng/mL	H01
Std5	0.958 Abs	1.8770 ng/mL	A02
Std5	0.924 Abs	2.0965 ng/mL	B02
Std6	0.735 Abs	> 5.0000 ng/mL	C02
Std6	0.716 Abs	> 5.0000 ng/mL	D02
8/7/2013 11:36:48 AM			
Normal Control	1.241 Abs	0.9235 ng/mL	E02
Normal Control	1.298 Abs	0.8206 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.556	0.011	0.44	0.003	0.004	136.78	
Std2	2.073	0.066	3.21	0.175	0.029	16.42	-12.50
Std3	1.590			0.470			17.50
Std4	1.253	0.033	2.65	0.903	0.063	6.97	-9.70
Std5	0.941	0.024	2.55	1.987	0.155	7.81	-0.65
Std6	0.725	0.013	1.85				-100.00
Normal Control	1.270	0.040	3.17	0.872	0.073	8.34	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/7/2013 11:36:48 AM			
Std1	Microcystins ADDA	2.564 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.548 Abs	0.0017 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.120 Abs	0.1907 ng/mL		0.2000	C01
Std2	Microcystins ADDA	2.026 Abs	0.2394 ng/mL		0.2000	D01
Std3	Microcystins ADDA	1.590 Abs	0.5540 ng/mL		0.4000	E01
Std3	Microcystins ADDA	2.024 Abs	0.2405 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.229 Abs	1.0675 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.276 Abs	0.9750 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.958 Abs	1.9740 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.924 Abs	2.1725 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.735 Abs	4.4850 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.716 Abs	4.9900 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.241 Abs	0.9235 ng/mL			E02
Normal Control	Microcystins ADDA	1.298 Abs	0.8206 ng/mL			F02
AB13889	Microcystins ADDA	2.483 Abs	0.0270 ng/mL	**LOW**	0.2000 - 5.0000	G02
AB13889	Microcystins ADDA	2.378 Abs [2.4305]	0.0607 ng/mL [0.0437]	Low [Low]	0.2000 - 5.0000	H02
AB13891	Microcystins ADDA	2.354 Abs	0.0686 ng/mL	**LOW**	0.2000 - 5.0000	A03
AB13891	Microcystins ADDA	2.341 Abs [2.3475]	0.0730 ng/mL [0.0708]	Low [Low]	0.2000 - 5.0000	B03
AB13892	Microcystins ADDA	2.495 Abs	0.0232 ng/mL	**LOW**	0.2000 - 5.0000	C03
AB13892	Microcystins ADDA	2.465 Abs [2.4800]	0.0327 ng/mL [0.0280]	Low [Low]	0.2000 - 5.0000	D03
AB13893	Microcystins ADDA	1.338 Abs	0.7575 ng/mL		0.2000 - 5.0000	E03
AB13893	Microcystins ADDA	1.232 Abs [1.2850]	0.9411 ng/mL [0.8425]		0.2000 - 5.0000	F03
AB13890	Microcystins ADDA	2.719 Abs	< 0.0000 ng/mL	Out(LR)	0.2000 - 5.0000	G03
AB13890	Microcystins ADDA	2.612 Abs [2.6655]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.2000 - 5.0000	H03
20130806LB	Microcystins ADDA	2.452 Abs	0.0369 ng/mL	**LOW**	0.2000 - 5.0000	A04
20130806LB	Microcystins ADDA	2.549 Abs [2.5005]	0.0057 ng/mL [0.0214]	Low [Low]	0.2000 - 5.0000	B04
AB13892LD	Microcystins ADDA	2.193 Abs	0.1260 ng/mL	**LOW**	0.2000 - 5.0000	C04
AB13892LD	Microcystins ADDA	2.073 Abs [2.1330]	0.1748 ng/mL [0.1496]	Low [Low]	0.2000 - 5.0000	D04

Notes

Signature Jessica Trensey
07Aug2013

Microcystins ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13889	Mississinewa Miami SRA (FD)	8/5/2013	8/7/2013	<0.200
AB13891	Mississinewa Miami SRA	8/5/2013	8/7/2013	<0.200
AB13892	Salamonie Lost Bridge SRA	8/5/2013	8/7/2013	<0.200
AB13893	Potato Creek SP	8/5/2013	8/7/2013	0.843
AB13890	Field Blank	8/5/2013	8/7/2013	<0.200
20130806LB	Lab Blank	8/6/2013	8/7/2013	<0.200
AB13892LD	Salamonie Lost Bridge SRA (LD)	8/6/2013	8/7/2013	<0.200