Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22127	Raccoon Lake (Field Duplicate)	6/22/2015	6/23/2015	< 0.150
AB22128	Field Blank	6/22/2015	6/23/2015	< 0.150
AB22129	Raccoon Lake SRA	6/22/2015	6/23/2015	< 0.150
AB22130	Mounds SRA	6/22/2015	6/23/2015	< 0.150
AB22130LD	Mounds (Lab Duplicate)	6/22/2015	6/23/2015	< 0.150
20150623LB	Lab Blank	6/22/2015	6/23/2015	< 0.150

Assay Calibration Report

Assay Information

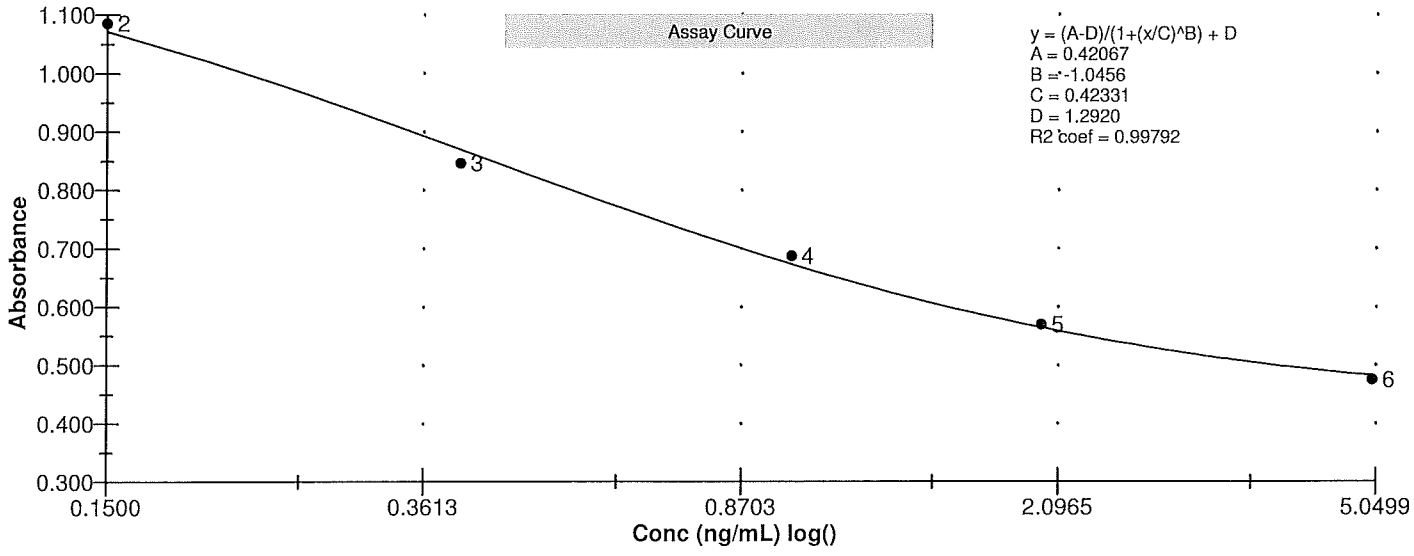
Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000
Units: ng/mL
# of decimals: 4
Assay Description:

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
6/23/2015 11:25:51 AM			
Std1	1.275 Abs	0.0100 ng/mL	A01
Std1	1.304 Abs	< 0.0000 ng/mL	B01
Std2	1.047 Abs	0.1725 ng/mL	C01
Std2	1.124 Abs	0.1076 ng/mL	D01
Std3	0.839 Abs	0.4570 ng/mL	E01
Std3	0.853 Abs	0.4295 ng/mL	F01
Std4	0.671 Abs	1.0095 ng/mL	G01
Std4	0.703 Abs	0.8550 ng/mL	H01
Std5	0.549 Abs	2.2700 ng/mL	A02
Std5	0.589 Abs	1.6600 ng/mL	B02
Std6	0.462 Abs	> 5.0000 ng/mL	C02
Std6	0.487 Abs	4.6000 ng/mL	D02
6/23/2015 11:25:51 AM			
Normal Control	0.750 Abs	0.6820 ng/mL	F02
Normal Control	0.769 Abs	0.6245 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.289	0.021	1.59				
Std2	1.086	0.054	5.02	0.140	0.046	32.77	-6.67
Std3	0.846	0.010	1.17	0.443	0.019	4.39	10.75
Std4	0.687	0.023	3.29	0.932	0.109	11.72	-6.80
Std5	0.569	0.028	4.97	1.965	0.431	21.95	-1.75
Std6	0.475	0.018	3.73				-100.00
Normal Control	0.760	0.013	1.77	0.653	0.041	6.22	



IDEM

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			6/23/2015 11:25:51 AM			
Std1	Microcystins ADDA	1.275 Abs	0.0100 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.304 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.047 Abs	0.1725 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.124 Abs	0.1076 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.839 Abs	0.4570 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.853 Abs	0.4295 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.671 Abs	1.0095 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.703 Abs	0.8550 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.549 Abs	2.2700 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.589 Abs	1.6600 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.462 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.487 Abs	4.6000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.769 Abs	0.6245 ng/mL			E02
Normal Control	Microcystins ADDA	0.750 Abs	0.6820 ng/mL			F02
AB22127	Microcystins ADDA	1.191 Abs	0.0606 ng/mL	LOW	0.1500 - 5.0000	G02
AB22127	Microcystins ADDA	1.303 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB22128	Microcystins ADDA	1.147 Abs	0.0906 ng/mL	LOW	0.1500 - 5.0000	A03
AB22128	Microcystins ADDA	1.272 Abs	0.0117 ng/mL	LOW	0.1500 - 5.0000	B03
AB22129	Microcystins ADDA	1.193 Abs	0.0593 ng/mL	LOW	0.1500 - 5.0000	C03
AB22129	Microcystins ADDA	1.223 Abs	0.0405 ng/mL	LOW	0.1500 - 5.0000	D03
AB22130	Microcystins ADDA	1.241 Abs	0.0297 ng/mL	LOW	0.1500 - 5.0000	E03
AB22130	Microcystins ADDA	1.175 Abs	0.0712 ng/mL	LOW	0.1500 - 5.0000	F03
AB22130LD	Microcystins ADDA	1.140 Abs	0.0957 ng/mL	LOW	0.1500 - 5.0000	G03
AB22130LD	Microcystins ADDA	1.211 Abs	0.0479 ng/mL	LOW	0.1500 - 5.0000	H03
20150622LB	Microcystins ADDA	1.358 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
20150622LB	Microcystins ADDA	1.378 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04

The data in this report is preliminary without a quality control report. This data is not warranted for accuracy or other purposes.

Betty Ratcliff

Laboratory Analyst Signature

6/23/15

Date