Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB18501	Chain O' Lakes SP (Field Duplicate)	7/28/2014	7/29/2014	0.230
AB18502	Field Blank	7/28/2014	7/29/2014	< 0.150
AB18503	Potato Creek SP	7/28/2014	7/29/2014	0.317
AB18504	Chain O' Lakes SP	7/28/2014	7/29/2014	0.172
AB18505	Lost Bridge West SRA	7/28/2014	7/29/2014	0.872
AB18505LD	Lost Bridge West (Lab Duplicate)	7/28/2014	7/29/2014	1.090
20140728LB	Lab Blank	7/28/2014	7/29/2014	< 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
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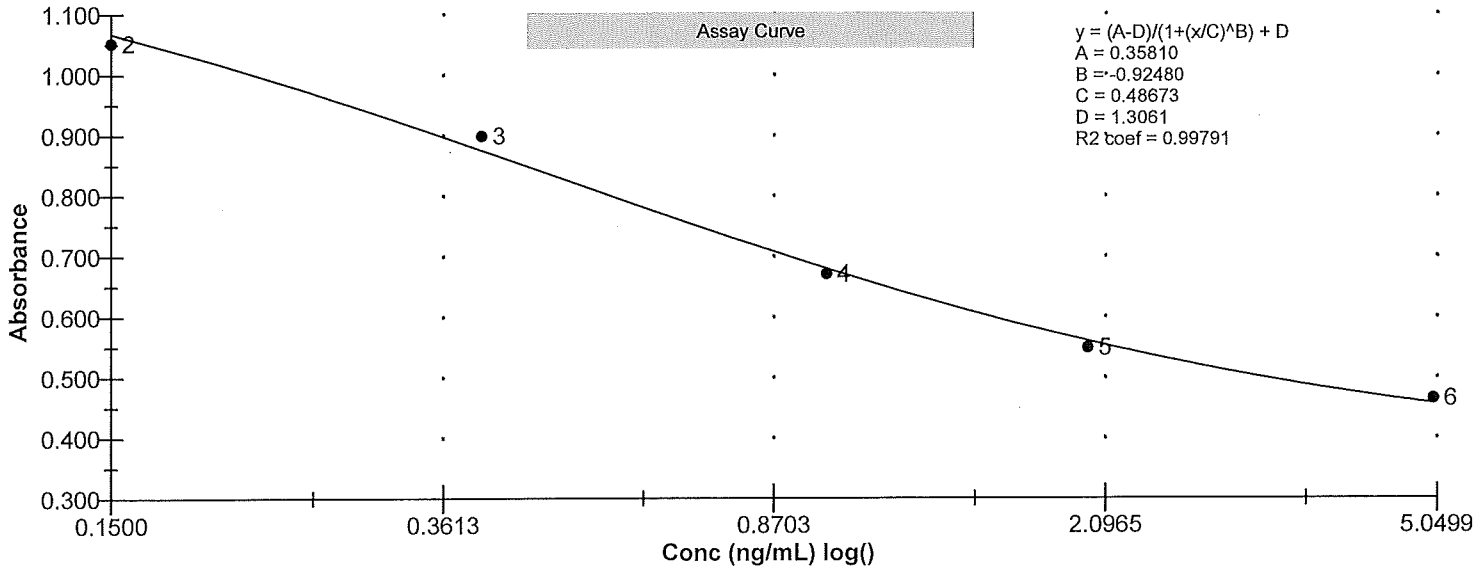
Std1	1.308 Abs	< 0.0000 ng/mL	A01
Std1	1.311 Abs	< 0.0000 ng/mL	B01
Std2	1.025 Abs	0.1912 ng/mL	C01
Std2	1.079 Abs	0.1396 ng/mL	D01
Std3	0.885 Abs	0.3820 ng/mL	E01
Std3	0.913 Abs	0.3352 ng/mL	F01
Std4	0.675 Abs	1.0250 ng/mL	G01
Std4	0.667 Abs	1.0685 ng/mL	H01
Std5	0.525 Abs	2.5845 ng/mL	A02
Std5	0.573 Abs	1.8350 ng/mL	B02
Std6	0.478 Abs	3.9300 ng/mL	C02
Std6	0.451 Abs	> 5.0000 ng/mL	D02
7/29/2014 12:36:39 PM			
Normal Control	0.824 Abs	0.5050 ng/mL	F02
Normal Control	0.734 Abs	0.7665 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.309	0.002	0.16				
Std2	1.052	0.038	3.63	0.165	0.036	22.06	10.00
Std3	0.899	0.020	2.20	0.359	0.033	9.23	-10.25
Std4	0.671	0.006	0.84	1.047	0.031	2.94	4.70
Std5	0.549	0.034	6.18	2.210	0.530	23.98	10.50
Std6	0.465	0.019	4.11				-100.00
Normal Control	0.779	0.064	8.17	0.636	0.185	29.09	

Assay Curve



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/29/2014 12:36:39 PM			
Std1	Microcystins ADDA	1.308 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.311 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.025 Abs	0.1912 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.079 Abs	0.1396 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.885 Abs	0.3820 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.913 Abs	0.3352 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.675 Abs	1.0250 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.667 Abs	1.0685 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.525 Abs	2.5845 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.573 Abs	1.8350 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.478 Abs	3.9300 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.451 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.734 Abs	0.7665 ng/mL			E02
Normal Control	Microcystins ADDA	0.824 Abs	0.5050 ng/mL			F02
AB18501	Microcystins ADDA	0.966 Abs	0.2596 ng/mL		0.1500 - 5.0000	G02
AB18501	Microcystins ADDA	1.017 Abs	0.1997 ng/mL		0.1500 - 5.0000	H02
AB18502	Microcystins ADDA	1.257 Abs	0.0210 ng/mL	LOW	0.1500 - 5.0000	A03
AB18502	Microcystins ADDA	1.361 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB18503	Microcystins ADDA	0.936 Abs	0.3005 ng/mL		0.1500 - 5.0000	C03
AB18503	Microcystins ADDA	0.914 Abs	0.3336 ng/mL		0.1500 - 5.0000	D03
AB18504	Microcystins ADDA	1.034 Abs	0.1820 ng/mL		0.1500 - 5.0000	E03
AB18504	Microcystins ADDA	1.054 Abs	0.1623 ng/mL		0.1500 - 5.0000	F03
AB18505	Microcystins ADDA	0.711 Abs	0.8565 ng/mL		0.1500 - 5.0000	G03
AB18505	Microcystins ADDA	0.704 Abs	0.8865 ng/mL		0.1500 - 5.0000	H03
AB18505LD	Microcystins ADDA	0.646 Abs	1.1945 ng/mL		0.1500 - 5.0000	A04
AB18505LD	Microcystins ADDA	0.683 Abs	0.9845 ng/mL		0.1500 - 5.0000	B04
20140728LB	Microcystins ADDA	1.340 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
20140728LB	Microcystins ADDA	1.317 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D04

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

7/30/14
Date