Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB17056	Mississinewa Miami SRA	6/16/2014	6/18/2014	< 0.150
AB16352	Field Blank	6/16/2014	6/18/2014	< 0.150
AB17057	Potato Creek SP	6/16/2014	6/18/2014	0.223
AB17059	Lincoln SP (Lake Lincoln)	6/16/2014	6/18/2014	< 0.150
AB17058	Ferdinand SP (Ferdinand Lake)	6/16/2014	6/18/2014	< 0.150
20140615LB	Lab Blank	6/16/2014	6/18/2014	< 0.150
AB17056LD	Lab Duplicate (Mississinewa Miami)	6/16/2014	6/18/2014	0.221
AB16348	Pokagon SP	6/17/2014	6/18/2014	< 0.150
AB16350	Salamonie Lost Bridge West SRA	6/17/2014	6/18/2014	< 0.150
AB16349	Chain O'Lakes SP (Sand Lake)	6/17/2014	6/18/2014	< 0.150
AB16351	Field Duplicate (Chain O'Lakes)	6/17/2014	6/18/2014	< 0.150

Assay Calibration Report

Assay Information

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

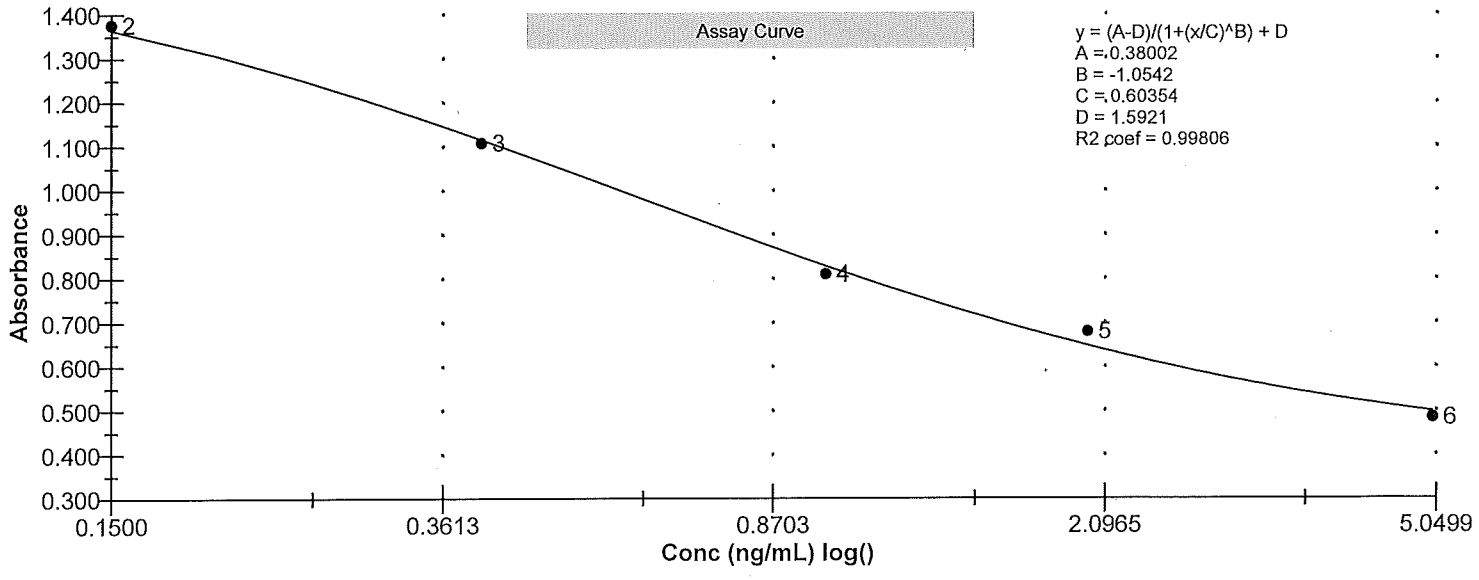
Units: ng/mL
# of decimals: 4
Assay Description:

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
6/18/2014 11:35:22 AM			
Std1	1.598 Abs	< 0.0000 ng/mL	A01
Std1	1.578 Abs	0.0088 ng/mL	B01
Std2	1.348 Abs	0.1633 ng/mL	C01
Std2	1.406 Abs	0.1195 ng/mL	D01
Std3	1.088 Abs	0.4372 ng/mL	E01
Std3	1.128 Abs	0.3837 ng/mL	F01
Std4	0.810 Abs	1.0645 ng/mL	G01
Std5	0.695 Abs	1.6295 ng/mL	A02
Std5	0.664 Abs	1.8565 ng/mL	B02
Std6	0.457 Abs	> 5.0000 ng/mL	C02
Std6	0.510 Abs	4.5050 ng/mL	D02
6/18/2014 11:35:22 AM			
Normal Control	0.872 Abs	0.8660 ng/mL	F02
Normal Control	0.847 Abs	0.9400 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.588	0.014	0.89				
Std2	1.377	0.041	2.98	0.141	0.031	21.90	-6.00
Std3	1.108	0.028	2.55	0.410	0.038	9.22	2.50
Std4	0.810			1.064			6.40
Std5	0.679	0.022	3.23	1.743	0.161	9.21	-12.85
Std6	0.484	0.037	7.75				-100.00
Normal Control	0.859	0.018	2.06	0.903	0.052	5.79	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			6/18/2014 11:35:22 AM			
Std1	Microcystins ADDA	1.598 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.578 Abs	0.0054 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.348 Abs	0.1581 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.406 Abs	0.1105 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.088 Abs	0.4785 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.128 Abs	0.4141 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.810 Abs	1.2340 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.966 Abs	0.7275 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.695 Abs	1.8750 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.664 Abs	2.1185 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.457 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.510 Abs	4.3700 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.847 Abs	0.9400 ng/mL			E02
Normal Control	Microcystins ADDA	0.872 Abs	0.8660 ng/mL			F02
AB17056	Microcystins ADDA	1.536 Abs	0.0342 ng/mL	LOW	0.1500 - 5.0000	G02
AB17056	Microcystins ADDA	1.695 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB16352	Microcystins ADDA	1.625 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB16352	Microcystins ADDA	1.692 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB17057	Microcystins ADDA	1.274 Abs	0.2265 ng/mL		0.1500 - 5.0000	C03
AB17057	Microcystins ADDA	1.281 Abs	0.2200 ng/mL		0.1500 - 5.0000	D03
AB17059	Microcystins ADDA	1.485 Abs	0.0659 ng/mL	LOW	0.1500 - 5.0000	E03
AB17059	Microcystins ADDA	1.535 Abs	0.0347 ng/mL	LOW	0.1500 - 5.0000	F03
AB17058	Microcystins ADDA	1.665 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB17058	Microcystins ADDA	1.685 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H03
20140616LB	Microcystins ADDA	1.695 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
20140616LB	Microcystins ADDA	1.800 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04
AB17056LD	Microcystins ADDA	1.184 Abs	0.3171 ng/mL		0.1500 - 5.0000	C04
AB17056LD	Microcystins ADDA	1.399 Abs	0.1245 ng/mL	LOW	0.1500 - 5.0000	D04
AB16348	Microcystins ADDA	1.754 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
AB16348	Microcystins ADDA	1.585 Abs	0.0046 ng/mL	LOW	0.1500 - 5.0000	F04
AB16350	Microcystins ADDA	1.722 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB16350	Microcystins ADDA	1.688 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB16349	Microcystins ADDA	1.617 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB16349	Microcystins ADDA	1.545 Abs	0.0287 ng/mL	LOW	0.1500 - 5.0000	B05
AB16351	Microcystins ADDA	1.557 Abs	0.0215 ng/mL	LOW	0.1500 - 5.0000	C05
AB16351	Microcystins ADDA	1.658 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D05

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

Betty Rastetter

Laboratory Analyst Signature

6/18/14

Secondary Analyst Signature

Signature