Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB21789	Farifax SRA	6/8/2015	6/10/2015	< 0.150
AB21790	Paynetown SRA	6/8/2015	6/10/2015	< 0.150
AB21791	Starve Hollow SRA	6/8/2015	6/10/2015	< 0.150
AB21792	Deam Lake SRA	6/8/2015	6/10/2015	< 0.150
AB21793	Hardy Lake SRA	6/8/2015	6/10/2015	0.151
AB21794	Raccoon Lake SRA	6/9/2015	6/10/2015	< 0.150
AB21795	Whitewater Memorial SP	6/9/2015	6/10/2015	< 0.150
AB21796	Quakertown SRA	6/9/2015	6/10/2015	< 0.150
AB21797	Mounds SRA	6/9/2015	6/10/2015	< 0.150
AB21787	Whitewater Memorial (Field Duplicate)	6/9/2015	6/10/2015	< 0.150
AB21788	Field Blank	6/9/2015	6/10/2015	< 0.150
AB21794LD	Raccoon Lake SRA (Lab Duplicate)	6/9/2015	6/10/2015	< 0.150
20150609LB	Lab Blank	6/9/2015	6/10/2015	< 0.150

Assay Calibration Report

Assay Information

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

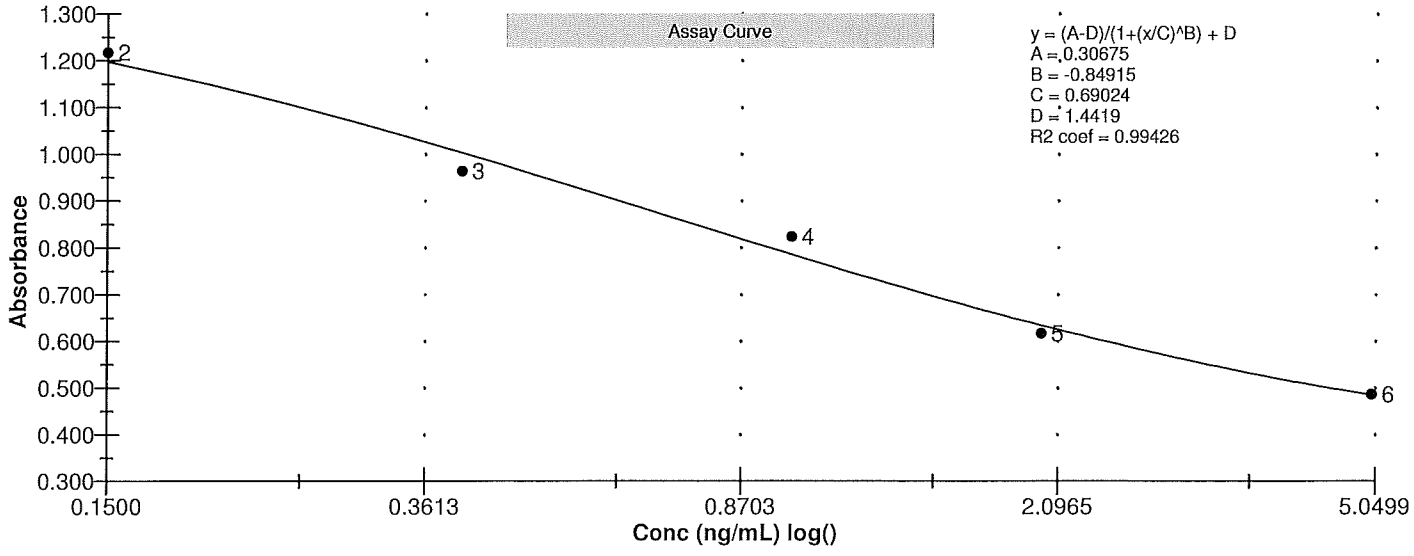
Units: ng/mL
# of decimals: 4
Assay Description:

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
6/10/2015 11:56:33 AM			
Std1	1.461 Abs	< 0.0000 ng/mL	A01
Std1	1.417 Abs	0.0078 ng/mL	B01
Std2	1.173 Abs	0.1740 ng/mL	C01
Std2	1.263 Abs	0.0958 ng/mL	D01
Std3	0.940 Abs	0.5250 ng/mL	E01
Std3	0.987 Abs	0.4295 ng/mL	F01
Std4	0.802 Abs	0.9335 ng/mL	G01
Std4	0.846 Abs	0.7765 ng/mL	H01
Std5	0.604 Abs	2.3400 ng/mL	A02
Std5	0.629 Abs	2.0530 ng/mL	B02
Std6	0.478 Abs	> 5.0000 ng/mL	C02
Std6	0.494 Abs	4.6600 ng/mL	D02
6/10/2015 11:56:33 AM			
Normal Control	0.841 Abs	0.7930 ng/mL	F02
Normal Control	0.839 Abs	0.7995 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.439	0.031	2.16				
Std2	1.218	0.064	5.22	0.135	0.055	40.99	-10.00
Std3	0.964	0.033	3.45	0.477	0.068	14.15	19.25
Std4	0.824	0.031	3.78	0.855	0.111	12.98	-14.50
Std5	0.617	0.018	2.87	2.196	0.203	9.24	9.80
Std6	0.486	0.011	2.33				-100.00
Normal Control	0.840	0.001	0.17	0.796	0.005	0.58	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/10/2015 11:56:33 AM						
Std1	Microcystins ADDA	1.461 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.417 Abs	0.0078 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.173 Abs	0.1740 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.263 Abs	0.0958 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.940 Abs	0.5250 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.987 Abs	0.4295 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.802 Abs	0.9335 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.846 Abs	0.7765 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.604 Abs	2.3400 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.629 Abs	2.0530 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.478 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.494 Abs	4.6600 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.839 Abs	0.7995 ng/mL			E02
Normal Control	Microcystins ADDA	0.841 Abs	0.7930 ng/mL			F02
AB21789	Microcystins ADDA	1.476 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB21789	Microcystins ADDA	1.462 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB21790	Microcystins ADDA	1.550 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB21790	Microcystins ADDA	1.564 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB21791	Microcystins ADDA	1.512 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB21791	Microcystins ADDA	1.515 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D03
AB21792	Microcystins ADDA	1.574 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB21792	Microcystins ADDA	1.499 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F03
AB21793	Microcystins ADDA	1.300 Abs	0.0698 ng/mL	LOW	0.1500 - 5.0000	G03
AB21793	Microcystins ADDA	1.119 Abs	0.2330 ng/mL		0.1500 - 5.0000	H03
AB21794	Microcystins ADDA	1.288 Abs	0.0778 ng/mL	LOW	0.1500 - 5.0000	A04
AB21794	Microcystins ADDA	1.371 Abs	0.0284 ng/mL	LOW	0.1500 - 5.0000	B04
AB21795	Microcystins ADDA	1.385 Abs	0.0215 ng/mL	LOW	0.1500 - 5.0000	C04
AB21795	Microcystins ADDA	1.309 Abs	0.0639 ng/mL	LOW	0.1500 - 5.0000	D04
AB21796	Microcystins ADDA	1.281 Abs	0.0827 ng/mL	LOW	0.1500 - 5.0000	E04
AB21796	Microcystins ADDA	1.349 Abs	0.0400 ng/mL	LOW	0.1500 - 5.0000	F04
AB21797	Microcystins ADDA	1.427 Abs	0.0043 ng/mL	LOW	0.1500 - 5.0000	G04
AB21797	Microcystins ADDA	1.382 Abs	0.0230 ng/mL	LOW	0.1500 - 5.0000	H04
AB21787	Microcystins ADDA	1.368 Abs	0.0299 ng/mL	LOW	0.1500 - 5.0000	A05
AB21787	Microcystins ADDA	1.407 Abs	0.0119 ng/mL	LOW	0.1500 - 5.0000	B05
AB21788	Microcystins ADDA	1.595 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB21788	Microcystins ADDA	1.542 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D05
AB21794LD	Microcystins ADDA	1.406 Abs	0.0122 ng/mL	LOW	0.1500 - 5.0000	E05
AB21794LD	Microcystins ADDA	1.527 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F05
20150609LB	Microcystins ADDA	1.495 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
20150609LB	Microcystins ADDA	1.564 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H05

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

Laboratory Analyst Signature

6/10/15

Date