



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29629	Fairfax SRA	6/12/2017	6/14/2017	< 0.30
AB29630	Paynetown SRA	6/12/2017	6/14/2017	< 0.30
AB29631	Starve Hollow SRA	6/12/2017	6/14/2017	< 0.30
AB29632	Deam Lake SRA	6/12/2017	6/14/2017	< 0.30
AB29632LD	Deam Lake (Lab Duplicate)	6/12/2017	6/14/2017	< 0.30
AB29633	Hardy Lake SRA	6/12/2017	6/14/2017	< 0.30
AB29634	Whitewater Memorial SP	6/13/2017	6/14/2017	< 0.30
AB29635	Quakertown SRA	6/13/2017	6/14/2017	< 0.30
AB29636	Mounds SRA	6/13/2017	6/14/2017	< 0.30
AB29637	Raccoon Lake SRA	6/13/2017	6/14/2017	< 0.30
AB29627	Fairfax (Field Duplicate)	6/13/2017	6/14/2017	< 0.30
AB29628	Field Blank	6/13/2017	6/14/2017	< 0.30
20170612LB	Lab Blank	6/12/2017	6/14/2017	< 0.30



Assay Calibration Report

Assay Information

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

Controls:
 Normal Control

Standards:

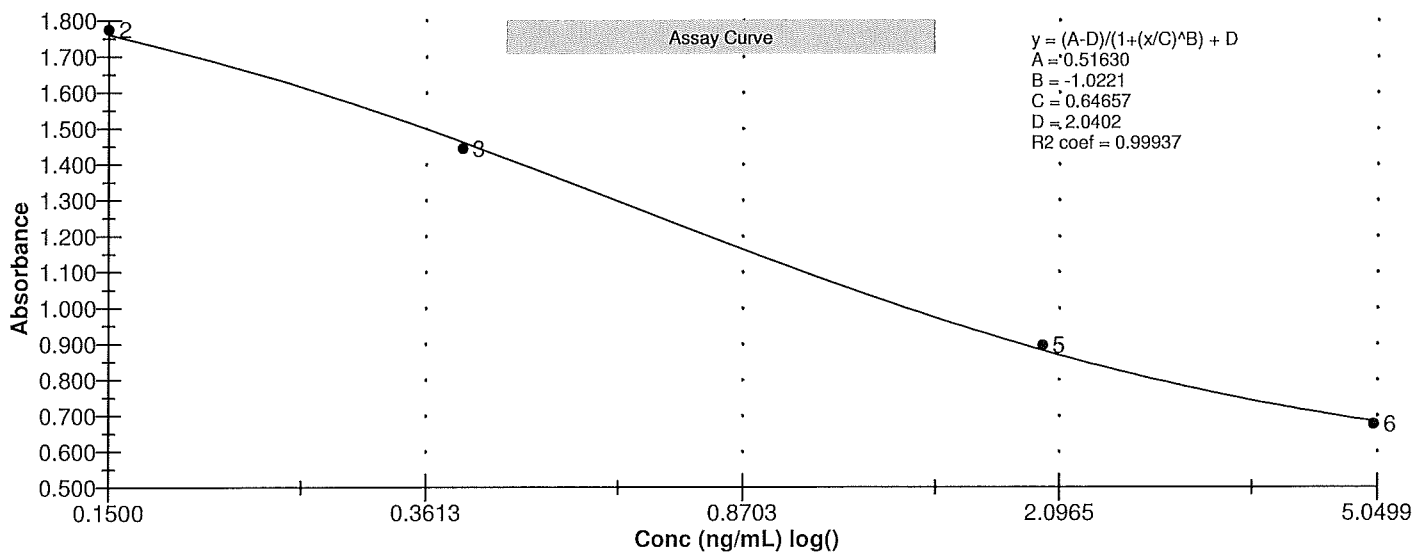
Std1, Concentration = 0.0000, Minimum number to use: 2
 Std2, Concentration = 0.1500, Minimum number to use: 2
 Std3, Concentration = 0.4000, Minimum number to use: 2
 Std4, Concentration = 1.0000, Minimum number to use: 2
 Std5, Concentration = 2.0000, Minimum number to use: 2
 Std6, Concentration = 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
6/14/2017 2:45:07 PM			
Std1	2.036 Abs	0.0020 ng/mL	A01
Std2	1.799 Abs	0.1260 ng/mL	C01
Std2	1.754 Abs	0.1542 ng/mL	D01
Std3	1.444 Abs	0.4195 ng/mL	F01
Std5	0.896 Abs	1.9030 ng/mL	B02
Std6	0.668 Abs	> 5.0000 ng/mL	C02
Std6	0.684 Abs	5.0000 ng/mL	D02
6/14/2017 2:45:07 PM			
Normal Control	1.319 Abs	0.5821 ng/mL	F02
Normal Control	1.337 Abs	0.5558 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.036			0.002			
Std2	1.776	0.032	1.79	0.140	0.020	14.23	-6.67
Std3	1.444			0.419			4.75
Std5	0.896			1.903			-4.85
Std6	0.676	0.011	1.67				-100.00
Normal Control	1.328	0.013	0.96	0.569	0.019	3.27	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/14/2017 2:45:07 PM						
Std1	Microcystins ADDA	2.036 Abs	0.0256 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.152 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.799 Abs	0.1312 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.754 Abs	0.1548 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.365 Abs	0.4555 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.444 Abs	0.3746 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.016 Abs	1.1275 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.077 Abs	0.9465 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.864 Abs	1.8900 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.896 Abs	1.6725 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.668 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.684 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.337 Abs	0.5558 ng/mL			E02
Normal Control	Microcystins ADDA	1.319 Abs	0.5821 ng/mL			F02
AB29629	Microcystins ADDA	2.146 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB29629	Microcystins ADDA	2.103 Abs [2.1245] {1.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H02
AB29630	Microcystins ADDA	2.133 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB29630	Microcystins ADDA	2.150 Abs [2.1415] {0.6 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B03
AB29631	Microcystins ADDA	2.153 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB29631	Microcystins ADDA	2.106 Abs [2.1295] {1.6 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D03
AB29632	Microcystins ADDA	2.140 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB29632	Microcystins ADDA	2.137 Abs [2.1385] {0.1 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F03
AB29632LD	Microcystins ADDA	2.066 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB29632LD	Microcystins ADDA	2.076 Abs [2.0710] {0.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H03
AB29633	Microcystins ADDA	1.602 Abs	0.2661 ng/mL		0.1500 - 5.0000	A04
AB29633	Microcystins ADDA	1.669 Abs [1.6355] {2.9 C	0.2133 ng/mL [0.2390] {15.6 C		0.1500 - 5.0000	B04
AB29634	Microcystins ADDA	2.060 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
AB29634	Microcystins ADDA	2.083 Abs [2.0715] {0.8 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D04
AB29635	Microcystins ADDA	1.907 Abs	0.0651 ng/mL	LOW	0.1500 - 5.0000	E04
AB29635	Microcystins ADDA	1.936 Abs [1.9215] {1.1 C	0.0502 ng/mL [0.0576] {18.3 C	Low [Low]	0.1500 - 5.0000	F04
AB29636	Microcystins ADDA	1.935 Abs	0.0507 ng/mL	LOW	0.1500 - 5.0000	G04
AB29636	Microcystins ADDA	1.906 Abs [1.9205] {1.1 C	0.0657 ng/mL [0.0581] {18.2 C	Low [Low]	0.1500 - 5.0000	H04
AB29637	Microcystins ADDA	1.790 Abs	0.1315 ng/mL	LOW	0.1500 - 5.0000	A05
AB29637	Microcystins ADDA	1.915 Abs [1.8525] {4.8 C	0.0610 ng/mL [0.0947] {51.8 C	Low [Low]	0.1500 - 5.0000	B05
AB29627	Microcystins ADDA	2.092 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB29627	Microcystins ADDA	2.082 Abs [2.0870] {0.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D05
AB29628	Microcystins ADDA	2.149 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E05
AB29628	Microcystins ADDA	2.172 Abs [2.1605] {0.8 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F05
20170614LB	Microcystins ADDA	2.125 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
20170614LB	Microcystins ADDA	2.165 Abs [2.1450] {1.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [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.

Beth Rabin

Laboratory Analyst Signature

6/14/17

Date