



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29952	Hardy Lake SRA	7/24/2017	7/26/2017	0.352
AB29953	Mounds SRA	7/24/2017	7/26/2017	0.356
AB29954	Quakertown SRA	7/24/2017	7/26/2017	< 0.30
AB29955	Whitewater Memorial SP	7/24/2017	7/26/2017	< 0.30
AB29955LD	Whitewater Memorial SP (Lab Duplicate)	7/24/2017	7/26/2017	< 0.30
AB29956	Raccoon Lake	7/25/2017	7/26/2017	< 0.30
AB29950	Raccoon Lake (Field Duplicate)	7/25/2017	7/26/2017	0.322
AB29951	Field Blank	7/25/2017	7/26/2017	< 0.30
20170724LB	Lab Blank	7/24/2017	7/26/2017	< 0.30



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

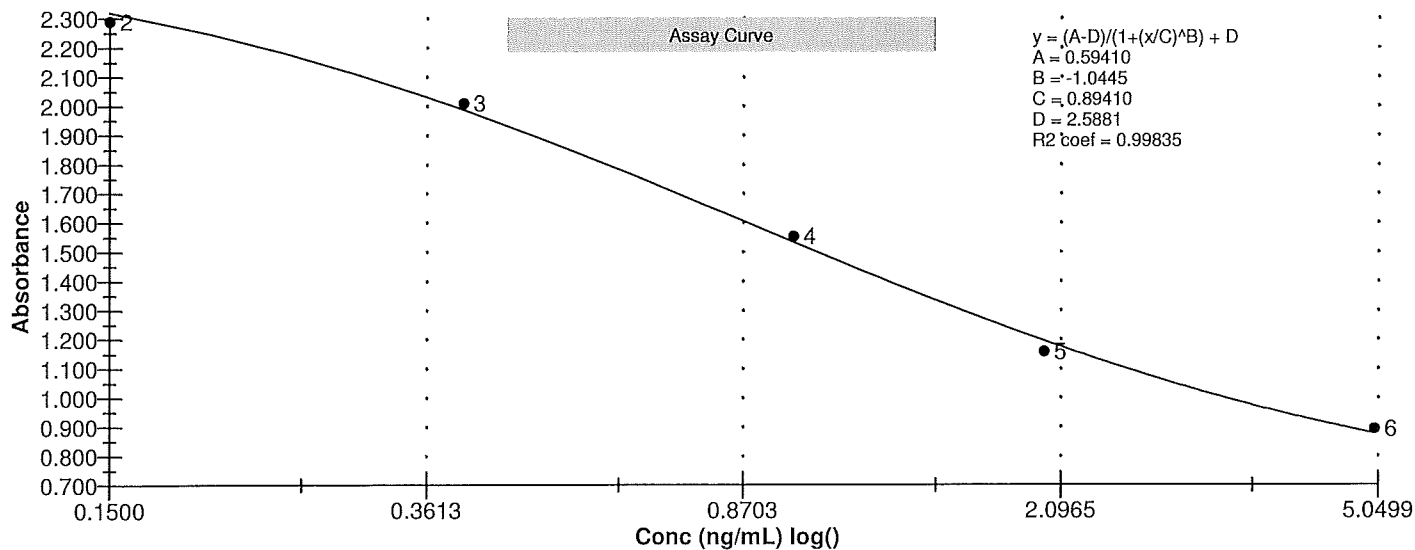
Standards:

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
7/26/2017 2:29:35 PM			
Std1	2.527 Abs	0.0327 ng/mL	A01
Std1	2.672 Abs	< 0.0000 ng/mL	B01
Std2	2.318 Abs	0.1516 ng/mL	C01
Std2	2.262 Abs	0.1874 ng/mL	D01
Std3	1.927 Abs	0.4570 ng/mL	E01
Std3	2.090 Abs	0.3120 ng/mL	F01
Std4	1.463 Abs	1.1450 ng/mL	G01
Std4	1.643 Abs	0.8091 ng/mL	H01
Std5	1.186 Abs	2.0420 ng/mL	A02
Std5	1.128 Abs	2.3430 ng/mL	B02
Std6	0.893 Abs	4.7100 ng/mL	C02
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Normal Control	1.803 Abs	0.5915 ng/mL	F02
Normal Control	1.810 Abs	0.5831 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.599	0.103	3.94				
Std2	2.290	0.040	1.73	0.169	0.025	14.93	12.67
Std3	2.009	0.115	5.74	0.384	0.103	26.67	-4.00
Std4	1.553	0.127	8.20	0.977	0.238	24.31	-2.30
Std5	1.157	0.041	3.54	2.193	0.213	9.71	9.65
Std6	0.893			4.710			-5.80
Normal Control	1.806	0.005	0.27	0.587	0.006	1.01	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/26/2017 2:29:35 PM						
Std1	Microcystins ADDA	2.527 Abs	0.0340 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.672 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.318 Abs	0.1535 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.262 Abs	0.1891 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.927 Abs	0.4545 ng/mL		0.4000	E01
Std3	Microcystins ADDA	2.090 Abs	0.3119 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.463 Abs	1.1400 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.643 Abs	0.8026 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.186 Abs	2.0775 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.128 Abs	2.4070 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.893 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.958 Abs	4.0740 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.810 Abs	0.5831 ng/mL			E02
Normal Control	Microcystins ADDA	1.803 Abs	0.5915 ng/mL			F02
AB29952	Microcystins ADDA	2.045 Abs	0.3490 ng/mL		0.1500 - 5.0000	G02
AB29952	Microcystins ADDA	2.037 Abs [2.0410] {0.3 C	0.3557 ng/mL [0.3523] {1.3 CV		0.1500 - 5.0000	H02
AB29953	Microcystins ADDA	1.982 Abs	0.4045 ng/mL		0.1500 - 5.0000	A03
AB29953	Microcystins ADDA	2.091 Abs [2.0365] {3.8 C	0.3112 ng/mL [0.3562] {18.4 C'		0.1500 - 5.0000	B03
AB29954	Microcystins ADDA	2.291 Abs	0.1686 ng/mL		0.1500 - 5.0000	C03
AB29954	Microcystins ADDA	2.181 Abs [2.2360] {3.5 C	0.2430 ng/mL [0.2047] {25.6 C'		0.1500 - 5.0000	D03
AB29955	Microcystins ADDA	2.349 Abs	0.1326 ng/mL	LOW	0.1500 - 5.0000	E03
AB29955	Microcystins ADDA	2.371 Abs [2.3600] {0.7 C	0.1195 ng/mL [0.1260] {7.3 CV	Low [Low]	0.1500 - 5.0000	F03
AB29955LD	Microcystins ADDA	2.272 Abs	0.1808 ng/mL		0.1500 - 5.0000	G03
AB29955LD	Microcystins ADDA	2.248 Abs [2.2600] {0.8 C	0.1966 ng/mL [0.1887] {5.9 CV		0.1500 - 5.0000	H03
AB29956	Microcystins ADDA	2.126 Abs	0.2838 ng/mL		0.1500 - 5.0000	A04
AB29956	Microcystins ADDA	2.098 Abs [2.1120] {0.9 C	0.3056 ng/mL [0.2946] {5.2 CV		0.1500 - 5.0000	B04
AB29957	Microcystins ADDA	2.403 Abs	0.1008 ng/mL	LOW	0.1500 - 5.0000	C04
AB29957	Microcystins ADDA	2.249 Abs [2.3260] {4.7 C	0.1960 ng/mL [0.1467] {45.4 C'	[Low]	0.1500 - 5.0000	D04
AB29950	Microcystins ADDA	2.011 Abs	0.3783 ng/mL		0.1500 - 5.0000	E04
AB29950	Microcystins ADDA	2.142 Abs [2.0765] {4.5 C	0.2717 ng/mL [0.3228] {23.2 C'		0.1500 - 5.0000	F04
AB29951	Microcystins ADDA	2.391 Abs	0.1077 ng/mL	LOW	0.1500 - 5.0000	G04
AB29951	Microcystins ADDA	2.375 Abs [2.3830] {0.5 C	0.1171 ng/mL [0.1125] {5.9 CV	Low [Low]	0.1500 - 5.0000	H04
20170724LB	Microcystins ADDA	2.226 Abs	0.2115 ng/mL		0.1500 - 5.0000	A05
20170724LB	Microcystins ADDA	2.315 Abs [2.2705] {2.8 C	0.1535 ng/mL [0.1818] {22.5 C'		0.1500 - 5.0000	B05

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

David Jordan

Laboratory Analyst Signature

7/27/2017

Date