



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29663	Deam Lake SRA	6/26/2017	6/28/2017	< 0.30
AB29664	Hardy Lake SRA	6/26/2017	6/28/2017	0.54
AB29664LD	Hardy Lake (Lab Duplicate)	6/26/2017	6/28/2017	0.59
AB29665	Mounds SRA	6/26/2017	6/28/2017	< 0.30
AB29666	Chain O' Lakes SP	6/27/2017	6/28/2017	< 0.30
AB29667	Potato Creek SP	6/27/2017	6/28/2017	0.47
AB29661	Deam Lake (Field Duplicate)	6/26/2017	6/28/2017	< 0.30
AB29662	Field Blank	6/26/2017	6/28/2017	< 0.30
2017M0626LB	Lab Blank	6/26/2017	6/28/2017	< 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

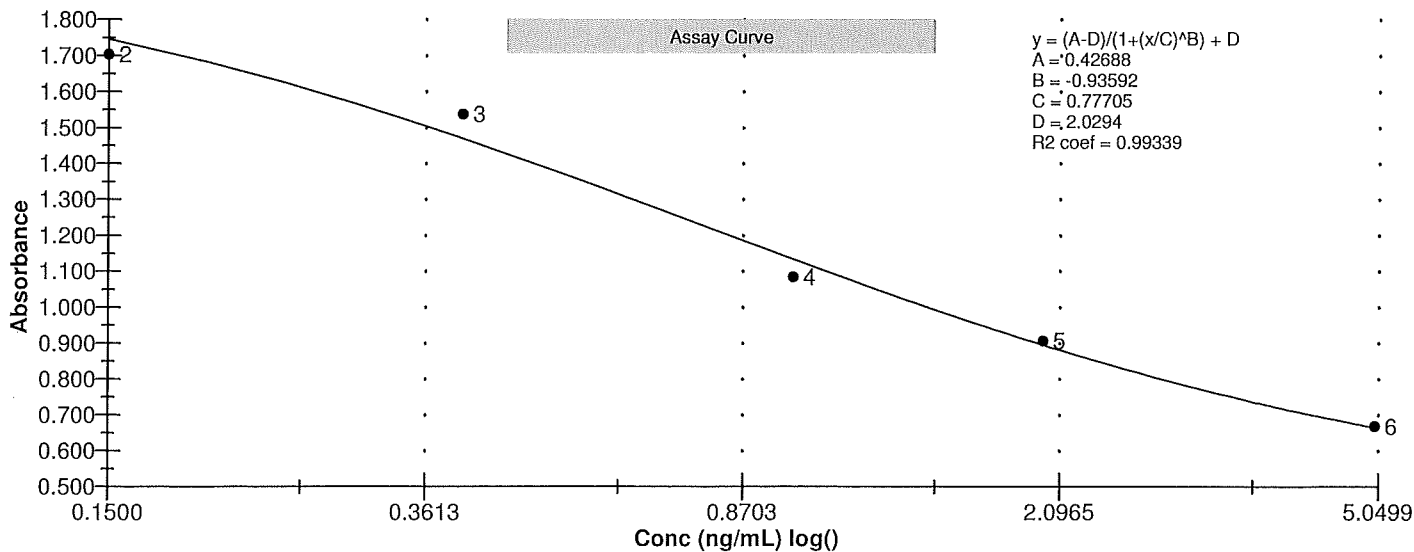
Curve valid interval: 7 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
6/28/2017 2:09:01 PM			
Std1	2.037 Abs	< 0.0000 ng/mL	A01
Std1	2.039 Abs	< 0.0000 ng/mL	B01
Std2	1.723 Abs	0.1665 ng/mL	C01
Std2	1.686 Abs	0.1938 ng/mL	D01
Std3	1.537 Abs	0.3260 ng/mL	F01
Std4	1.046 Abs	1.2740 ng/mL	G01
Std4	1.123 Abs	1.0300 ng/mL	H01
Std5	0.895 Abs	2.0010 ng/mL	A02
Std5	0.919 Abs	1.8540 ng/mL	B02
Std6	0.685 Abs	4.5300 ng/mL	C02
Std6	0.652 Abs	> 5.0000 ng/mL	D02
6/28/2017 2:09:01 PM			
Normal Control	1.298 Abs	0.6445 ng/mL	F02
Normal Control	1.197 Abs	0.8445 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.038	0.001	0.07				
Std2	1.704	0.026	1.53	0.180	0.019	10.72	20.00
Std3	1.537			0.326			-18.50
Std4	1.085	0.054	5.02	1.152	0.173	14.98	15.20
Std5	0.907	0.017	1.87	1.928	0.104	5.39	-3.60
Std6	0.669	0.023	3.49				-100.00
Normal Control	1.247	0.071	5.72	0.745	0.141	19.00	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/28/2017 2:09:01 PM						
Std1	Microcystins ADDA	2.037 Abs	0.0003 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.039 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.723 Abs	0.1382 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.686 Abs	0.1620 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.324 Abs	0.5351 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.537 Abs	0.2798 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.046 Abs	1.1945 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.123 Abs	0.9515 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.895 Abs	1.9430 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.919 Abs	1.7890 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.685 Abs	4.7400 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.652 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.197 Abs	0.8445 ng/mL			E02
Normal Control	Microcystins ADDA	1.298 Abs	0.6445 ng/mL			F02
AB29663	Microcystins ADDA	1.927 Abs	0.0441 ng/mL	LOW	0.1500 - 5.0000	G02
AB29663	Microcystins ADDA	1.942 Abs [1.9345] {0.5 C	0.0369 ng/mL [0.0405] {12.6 C	Low [Low]	0.1500 - 5.0000	H02
AB29664	Microcystins ADDA	1.327 Abs	0.5961 ng/mL		0.1500 - 5.0000	A03
AB29664	Microcystins ADDA	1.402 Abs [1.3645] {3.9 C	0.4850 ng/mL [0.5381] {14.5 C		0.1500 - 5.0000	B03
AB29664LD	Microcystins ADDA	1.390 Abs	0.5015 ng/mL		0.1500 - 5.0000	C03
AB29664LD	Microcystins ADDA	1.273 Abs [1.3315] {6.2 C	0.6895 ng/mL [0.5890] {22.3 C		0.1500 - 5.0000	D03
AB29665	Microcystins ADDA	1.862 Abs	0.0782 ng/mL	LOW	0.1500 - 5.0000	E03
AB29665	Microcystins ADDA	1.829 Abs [1.8455] {1.3 C	0.0972 ng/mL [0.0875] {15.3 C	Low [Low]	0.1500 - 5.0000	F03
AB29666	Microcystins ADDA	2.070 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB29666	Microcystins ADDA	2.152 Abs [2.1110] {2.7 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H03
AB29667	Microcystins ADDA	1.451 Abs	0.4220 ng/mL		0.1500 - 5.0000	A04
AB29667	Microcystins ADDA	1.369 Abs [1.4100] {4.1 C	0.5315 ng/mL [0.4742] {16.2 C		0.1500 - 5.0000	B04
AB29661	Microcystins ADDA	1.910 Abs	0.0527 ng/mL	LOW	0.1500 - 5.0000	C04
AB29661	Microcystins ADDA	1.797 Abs [1.8535] {4.3 C	0.1167 ng/mL [0.0830] {53.4 C	Low [Low]	0.1500 - 5.0000	D04
AB29662	Microcystins ADDA	2.019 Abs	0.0036 ng/mL	LOW	0.1500 - 5.0000	E04
AB29662	Microcystins ADDA	2.068 Abs [2.0435] {1.7 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
20170626LB	Microcystins ADDA	2.177 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
20170626LB	Microcystins ADDA	2.131 Abs [2.1540] {1.5 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H04
AB29668	Microcystins ADDA	2.059 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB29668	Microcystins ADDA	2.068 Abs [2.0635] {0.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	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.

Laboratory Analyst Signature

Date