



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33392	Chain O'Lakes (Field Duplicate)	6/25/2018	6/26/2018	< 0.30
AB33393	Field Blank	6/25/2018	6/26/2018	< 0.30
AB33394	Chain O' Lakes SP	6/25/2018	6/26/2018	< 0.30
AB33395	Raccoon Lake SRA	6/25/2018	6/26/2018	< 0.30
AB33396	Whitewater Memorial SP	6/25/2018	6/26/2018	< 0.30
AB33397	Ft Ben SP Dog Lake	6/25/2018	6/26/2018	< 0.30
AB33395LB	Raccoon (Lab duplicate)	6/25/2018	6/26/2018	< 0.30
20180626LB	Lab Blank	6/25/2018	6/26/2018	< 0.30



Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA Units: ng/mL
 Assay Mode: 4-Parameter Logistic Weight # of decimals: 4
 Normal: by 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

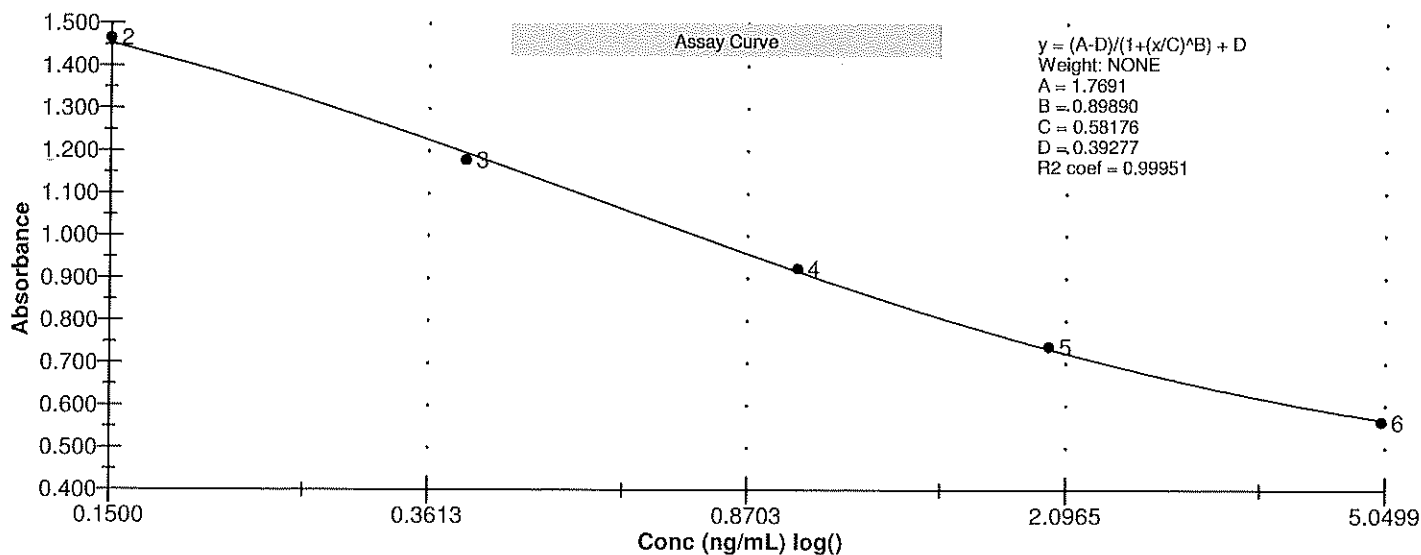
Curve valid interval: 7 days 0 hours

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
6/26/2018 2:23:29 PM			
Std1	1.739 Abs	0.0085 ng/mL	A01
Std1	1.796 Abs	< 0.0000 ng/mL	B01
Std2	1.467 Abs	0.1418 ng/mL	C01
Std2	1.465 Abs	0.1432 ng/mL	D01
Std3	1.151 Abs	0.4635 ng/mL	E01
Std3	1.207 Abs	0.3852 ng/mL	F01
Std4	0.895 Abs	1.0776 ng/mL	G01
Std4	0.950 Abs	0.8930 ng/mL	H01
Std5	0.713 Abs	2.1942 ng/mL	A02
Std5	0.768 Abs	1.7332 ng/mL	B02
Std6	0.555 Abs	> 5.0000 ng/mL	C02
Std6	0.568 Abs	4.9515 ng/mL	D02
6/26/2018 2:23:29 PM			
Normal Control	1.069 Abs	0.6046 ng/mL	F02
Normal Control	1.073 Abs	0.5969 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.767	0.040	2.28				
Std2	1.466	0.001	0.10	0.142	0.001	0.69	-5.33
Std3	1.179	0.040	3.36	0.424	0.055	13.05	6.00
Std4	0.923	0.039	4.22	0.985	0.131	13.25	-1.50
Std5	0.740	0.039	5.25	1.964	0.326	16.60	-1.80
Std6	0.562	0.009	1.64				-100.00
Normal Control	1.071	0.003	0.26	0.601	0.005	0.91	

Assay Curve



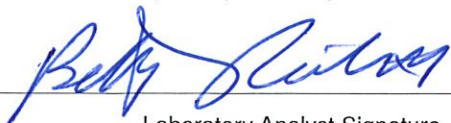


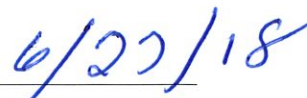
Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/26/2018 2:23:29 PM						
Std1	Microcystins ADDA	1.739 Abs	0.0085 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.796 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.467 Abs	0.1418 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.465 Abs	0.1432 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.151 Abs	0.4635 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.207 Abs	0.3852 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.895 Abs	1.0776 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.950 Abs	0.8930 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.713 Abs	2.1942 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.768 Abs	1.7332 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.555 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.568 Abs	4.9515 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.073 Abs	0.5969 ng/mL			E02
Normal Control	Microcystins ADDA	1.069 Abs	0.6046 ng/mL			F02
AB33392	Microcystins ADDA	1.754 Abs	0.0039 ng/mL	LOW	0.1500 - 5.0000	G02
AB33392	Microcystins ADDA	1.773 Abs [1.7635] {0.8 C	< 0.0000 ng/mL [0.0013]	Out(LR) [Low]	0.1500 - 5.0000	H02
AB33393	Microcystins ADDA	1.789 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB33393	Microcystins ADDA	1.845 Abs [1.8170] {2.2 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B03
AB33394	Microcystins ADDA	1.654 Abs	0.0406 ng/mL	LOW	0.1500 - 5.0000	C03
AB33394	Microcystins ADDA	1.763 Abs [1.7085] {4.5 C	0.0014 ng/mL [0.0190] {132.0 C	Low [Low]	0.1500 - 5.0000	D03
AB33395	Microcystins ADDA	1.667 Abs	0.0351 ng/mL	LOW	0.1500 - 5.0000	E03
AB33395	Microcystins ADDA	1.682 Abs [1.6745] {0.6 C	0.0290 ng/mL [0.0320] {13.5 C	Low [Low]	0.1500 - 5.0000	F03
AB33396	Microcystins ADDA	1.639 Abs	0.0471 ng/mL	LOW	0.1500 - 5.0000	G03
AB33396	Microcystins ADDA	1.653 Abs [1.6460] {0.6 C	0.0410 ng/mL [0.0440] {9.8 CV	Low [Low]	0.1500 - 5.0000	H03
AB33397	Microcystins ADDA	1.748 Abs	0.0057 ng/mL	LOW	0.1500 - 5.0000	A04
AB33397	Microcystins ADDA	1.780 Abs [1.7640] {1.3 C	< 0.0000 ng/mL [0.0012]	Out(LR) [Low]	0.1500 - 5.0000	B04
AB33395LD	Microcystins ADDA	1.654 Abs	0.0406 ng/mL	LOW	0.1500 - 5.0000	C04
AB33395LD	Microcystins ADDA	1.689 Abs [1.6715] {1.5 C	0.0263 ng/mL [0.0332] {30.2 C	Low [Low]	0.1500 - 5.0000	D04
20180626LB	Microcystins ADDA	1.732 Abs	0.0108 ng/mL	LOW	0.1500 - 5.0000	E04
20180626LB	Microcystins ADDA	1.782 Abs [1.7570] {2.0 C	< 0.0000 ng/mL [0.0030]	Out(LR) [Low]	0.1500 - 5.0000	F04

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