



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33720	Pokagon SP	7/16/2018	7/18/2018	< 0.300
AB33721	Potawatomi Inn's Beach	7/16/2018	7/18/2018	< 0.300
AB33722	Chain O'Lakes SP	7/16/2018	7/18/2018	< 0.300
AB33723	Kunkel Beach @ Quabache SP	7/16/2018	7/18/2018	< 0.300
AB33724	Potawatomi Inn (Field Duplicate)	7/16/2018	7/18/2018	< 0.300
AB33725	Field Blank	7/16/2018	7/18/2018	< 0.300
AB33726	Lost Bridge West SRA	7/16/2018	7/18/2018	0.3215
AB33727	Mississinewa Lake Miami SRA	7/16/2018	7/18/2018	< 0.300
AB33727LD	Mississinewa (Lab Duplicate)	7/16/2018	7/18/2018	< 0.300
AB33728	Potato Creek SP	7/16/2018	7/18/2018	< 0.300
AB33730	Field Blank	7/16/2018	7/18/2018	< 0.300
AB33692	Dog Park Lake	7/16/2018	7/18/2018	< 0.300
20180717LB	Lab Blank	7/17/2018	7/18/2018	< 0.300



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/18/2018 5:53:48 PM						
Std1	Microcystins ADDA	1.945 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.922 Abs	0.0171 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.739 Abs	0.1484 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.797 Abs	0.1058 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.371 Abs	0.5053 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.461 Abs	0.3984 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.979 Abs	1.3408 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.274 Abs	0.6432 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.808 Abs	2.2385 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.849 Abs	1.9548 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.649 Abs	4.4599 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.611 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.259 Abs	0.5646 ng/mL			E02
Normal Control	Microcystins ADDA	1.191 Abs	0.6525 ng/mL			F02
AB33720	Microcystins ADDA	1.785 Abs	0.1300 ng/mL	LOW	0.1500 - 5.0000	G02
AB33720	Microcystins ADDA	1.884 Abs [1.8345] {3.8 C	0.0598 ng/mL [0.0961] {52.3 C	Low [Low]	0.1500 - 5.0000	H02
AB33721	Microcystins ADDA	1.724 Abs	0.1708 ng/mL		0.1500 - 5.0000	A03
AB33721	Microcystins ADDA	1.789 Abs [1.7565] {2.6 C	0.1273 ng/mL [0.1491] {20.6 C	Low [Low]	0.1500 - 5.0000	B03
AB33722	Microcystins ADDA	1.686 Abs	0.1964 ng/mL		0.1500 - 5.0000	C03
AB33722	Microcystins ADDA	1.703 Abs [1.6945] {0.7 C	0.1849 ng/mL [0.1907] {4.3 CV		0.1500 - 5.0000	D03
AB33723	Microcystins ADDA	1.837 Abs	0.0944 ng/mL	LOW	0.1500 - 5.0000	E03
AB33723	Microcystins ADDA	1.815 Abs [1.8260] {0.9 C	0.1096 ng/mL [0.1021] {10.5 C	Low [Low]	0.1500 - 5.0000	F03
AB33724	Microcystins ADDA	1.791 Abs	0.1259 ng/mL	LOW	0.1500 - 5.0000	G03
AB33724	Microcystins ADDA	1.812 Abs [1.8015] {0.8 C	0.1117 ng/mL [0.1188] {8.5 CV	Low [Low]	0.1500 - 5.0000	H03
AB33725	Microcystins ADDA	1.838 Abs	0.0937 ng/mL	LOW	0.1500 - 5.0000	A04
AB33725	Microcystins ADDA	1.837 Abs [1.8375] {0.0 C	0.0944 ng/mL [0.0940] {0.5 CV	Low [Low]	0.1500 - 5.0000	B04
AB33726	Microcystins ADDA	1.589 Abs	0.2642 ng/mL		0.1500 - 5.0000	C04
AB33726	Microcystins ADDA	1.437 Abs [1.5130] {7.1 C	0.3842 ng/mL [0.3215] {26.2 C		0.1500 - 5.0000	D04
AB33727	Microcystins ADDA	1.717 Abs	0.1755 ng/mL		0.1500 - 5.0000	E04
AB33727	Microcystins ADDA	1.783 Abs [1.7500] {2.7 C	0.1313 ng/mL [0.1534] {20.4 C	LOW	0.1500 - 5.0000	F04
AB33727LD	Microcystins ADDA	1.739 Abs	0.1608 ng/mL		0.1500 - 5.0000	G04
AB33727LD	Microcystins ADDA	1.767 Abs [1.7530] {1.1 C	0.1421 ng/mL [0.1514] {8.7 CV	LOW	0.1500 - 5.0000	H04
AB33728	Microcystins ADDA	1.736 Abs	0.1628 ng/mL		0.1500 - 5.0000	A05
AB33728	Microcystins ADDA	1.584 Abs [1.6600] {6.5 C	0.2678 ng/mL [0.2142] {34.5 C		0.1500 - 5.0000	B05
AB33730	Microcystins ADDA	1.824 Abs	0.1034 ng/mL	LOW	0.1500 - 5.0000	C05
AB33730	Microcystins ADDA	1.878 Abs [1.8510] {2.1 C	0.0645 ng/mL [0.0845] {32.8 C	Low [Low]	0.1500 - 5.0000	D05
AB33692	Microcystins ADDA	1.859 Abs	0.0787 ng/mL	LOW	0.1500 - 5.0000	E05
AB33692	Microcystins ADDA	1.917 Abs [1.8880] {2.2 C	0.0317 ng/mL [0.0567] {60.2 C	Low [Low]	0.1500 - 5.0000	F05
20180717LB	Microcystins ADDA	1.875 Abs	0.0668 ng/mL	LOW	0.1500 - 5.0000	G05
20180717LB	Microcystins ADDA	1.777 Abs [1.8260] {3.8 C	0.1354 ng/mL [0.1021] {48.0 C	Low [Low]	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.

David Jordan

Laboratory Analyst Signature

7/19/18

Date



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
7/18/2018 5:53:48 PM			
Std1	1.945 Abs	< 0.0000 ng/mL	A01
Std1	1.922 Abs	0.0267 ng/mL	B01
Std2	1.739 Abs	0.1608 ng/mL	C01
Std2	1.797 Abs	0.1219 ng/mL	D01
Std3	1.371 Abs	0.4446 ng/mL	E01
Std3	1.461 Abs	0.3637 ng/mL	F01
Std4	0.979 Abs	1.0652 ng/mL	G01
Std5	0.808 Abs	1.8176 ng/mL	A02
Std5	0.849 Abs	1.5631 ng/mL	B02
Std6	0.649 Abs	> 5.0000 ng/mL	C02
Std6	0.611 Abs	> 5.0000 ng/mL	D02
7/18/2018 5:53:48 PM			
Normal Control	1.191 Abs	0.6525 ng/mL	F02
Normal Control	1.259 Abs	0.5646 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.934	0.016	0.84				
Std2	1.768	0.041	2.32	0.141	0.028	19.46	-6.00
Std3	1.416	0.064	4.49	0.404	0.057	14.15	1.00
Std4	0.979			1.065			6.50
Std5	0.829	0.029	3.50	1.690	0.180	10.65	-15.50
Std6	0.630	0.027	4.27				-100.00
Normal Control	1.225	0.048	3.93	0.609	0.062	10.21	

