Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30311	Pokagon SP	8/14/2017	8/16/2017	< 0.30
AB30312	Southern Basin Inn's Beach	8/14/2017	8/16/2017	< 0.30
AB30313	Chain O'Lakes SP	8/14/2017	8/16/2017	< 0.30
AB30314	Lost Bridge West SRA	8/14/2017	8/16/2017	< 0.30
AB30315	Mississinewa Lake Miami SRA	8/15/2017	8/16/2017	< 0.30
AB30316	Potato Creek SP	8/15/2017	8/16/2017	< 0.30
AB30317	Southern Basin (Field Duplicate)	8/14/2017	8/16/2017	< 0.30
AB30318	Field Blank	8/14/2017	8/16/2017	< 0.30
AB30313LD	Chain O' Lakes (Lab Duplicate)	8/14/2017	8/16/2017	0.36
20170814LB	Lab Blank	8/14/2017	8/16/2017	< 0.30

Assay Calibration Report

Assay Information

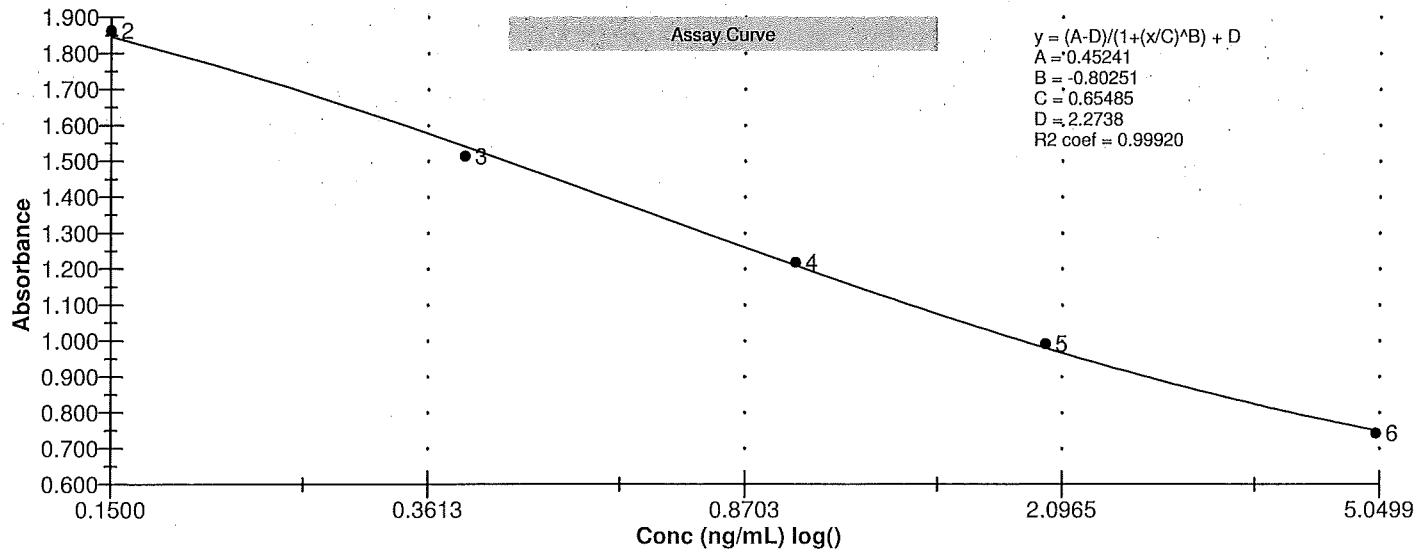
Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000
Units: ng/mL
# of decimals: 4
Assay Description:

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
8/16/2017 2:22:12 PM			
Std1	2.262 Abs	0.0012 ng/mL	A01
Std1	2.279 Abs	< 0.0000 ng/mL	B01
Std2	1.867 Abs	0.1385 ng/mL	C01
Std2	1.861 Abs	0.1418 ng/mL	D01
Std3	1.489 Abs	0.4630 ng/mL	E01
Std3	1.539 Abs	0.4021 ng/mL	F01
Std4	1.204 Abs	1.0165 ng/mL	G01
Std4	1.232 Abs	0.9400 ng/mL	H01
Std5	0.978 Abs	2.0165 ng/mL	A02
Std5	1.005 Abs	1.8450 ng/mL	B02
Std6	0.763 Abs	4.7000 ng/mL	C02
Std6	0.723 Abs	> 5.0000 ng/mL	D02
8/16/2017 2:22:12 PM			
Normal Control	1.423 Abs	0.5556 ng/mL	F02
Normal Control	1.343 Abs	0.6920 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.271	0.012	0.53				
Std2	1.864	0.004	0.23	0.140	0.002	1.66	-6.67
Std3	1.514	0.035	2.34	0.433	0.043	9.96	8.25
Std4	1.218	0.020	1.63	0.978	0.054	5.53	-2.20
Std5	0.992	0.019	1.93	1.931	0.121	6.28	-3.45
Std6	0.743	0.028	3.81				-100.00
Normal Control	1.383	0.057	4.09	0.624	0.096	15.46	



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Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/16/2017 2:22:12 PM			
Std1	Microcystins ADDA	2.262 Abs	0.0012 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.279 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.867 Abs	0.1385 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.861 Abs	0.1418 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.489 Abs	0.4630 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.539 Abs	0.4021 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.204 Abs	1.0165 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.232 Abs	0.9400 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.978 Abs	2.0165 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.005 Abs	1.8450 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.763 Abs	4.7000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.723 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.343 Abs	0.6920 ng/mL			E02
Normal Control	Microcystins ADDA	1.423 Abs	0.5556 ng/mL			F02
AB30311	Microcystins ADDA	2.026 Abs	0.0654 ng/mL	LOW	0.1500 - 5.0000	G02
AB30311	Microcystins ADDA	2.177 Abs [2.1015] {5.1 C	0.0181 ng/mL [0.0393] {80.1 C	Low [Low]	0.1500 - 5.0000	H02
AB30312	Microcystins ADDA	1.842 Abs	0.1526 ng/mL		0.1500 - 5.0000	A03
AB30312	Microcystins ADDA	1.905 Abs [1.8735] {2.4 C	0.1186 ng/mL [0.1350] {17.7 C	Low [Low]	0.1500 - 5.0000	B03
AB30313	Microcystins ADDA	1.752 Abs	0.2100 ng/mL		0.1500 - 5.0000	C03
AB30313	Microcystins ADDA	1.821 Abs [1.7865] {2.7 C	0.1650 ng/mL [0.1866] {17.0 C		0.1500 - 5.0000	D03
AB30314	Microcystins ADDA	1.916 Abs	0.1132 ng/mL	LOW	0.1500 - 5.0000	E03
AB30314	Microcystins ADDA	2.083 Abs [1.9995] {5.9 C	0.0452 ng/mL [0.0759] {60.7 C	Low [Low]	0.1500 - 5.0000	F03
AB30315	Microcystins ADDA	2.024 Abs	0.0662 ng/mL	LOW	0.1500 - 5.0000	G03
AB30315	Microcystins ADDA	2.056 Abs [2.0400] {1.1 C	0.0544 ng/mL [0.0602] {13.8 C	Low [Low]	0.1500 - 5.0000	H03
AB30316	Microcystins ADDA	1.919 Abs	0.1117 ng/mL	LOW	0.1500 - 5.0000	A04
AB30316	Microcystins ADDA	1.950 Abs [1.9345] {1.1 C	0.0971 ng/mL [0.1042] {9.9 CV	Low [Low]	0.1500 - 5.0000	B04
AB30317	Microcystins ADDA	1.935 Abs	0.1041 ng/mL	LOW	0.1500 - 5.0000	C04
AB30317	Microcystins ADDA	2.045 Abs [1.9900] {3.9 C	0.0584 ng/mL [0.0798] {39.8 C	Low [Low]	0.1500 - 5.0000	D04
AB30318	Microcystins ADDA	2.329 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
AB30318	Microcystins ADDA	2.365 Abs [2.3470] {1.1 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
AB30319	Microcystins ADDA	2.263 Abs	0.0011 ng/mL	LOW	0.1500 - 5.0000	G04
AB30319	Microcystins ADDA	2.230 Abs [2.2465] {1.0 C	0.0065 ng/mL [0.0036] {100.5 C	Low [Low]	0.1500 - 5.0000	H04
AB30313LD	Microcystins ADDA	1.646 Abs	0.2940 ng/mL		0.1500 - 5.0000	A05
AB30313LD	Microcystins ADDA	1.500 Abs [1.5730] {6.6 C	0.4490 ng/mL [0.3647] {29.5 C		0.1500 - 5.0000	B05
20170814LB	Microcystins ADDA	2.281 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
20170814LB	Microcystins ADDA	2.289 Abs [2.2850] {0.2 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D05

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

8/17/17

Date