



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB30330	Southern Basin Inn's Beach	8/28/2017	8/30/2017	< 0.30
AB30331	Chain O'Lakes SP	8/28/2017	8/30/2017	< 0.30
AB30332	Lost Bridge West SRA	8/28/2017	8/30/2017	< 0.30
AB30333	Mississinewa Lake Miami SRA	8/29/2017	8/30/2017	< 0.30
AB30334	Potato Creek SP	8/29/2017	8/30/2017	0.42
AB30335	Lost Bridge (Field Duplicate)	8/28/2017	8/30/2017	< 0.30
AB30336	Field Blank	8/28/2017	8/30/2017	< 0.30
AB30333LD	Mississinewa Lake (Lab Duplicate)	8/29/2017	8/30/2017	< 0.30
20170828LB	Lab Blank	8/28/2017	8/30/2017	< 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

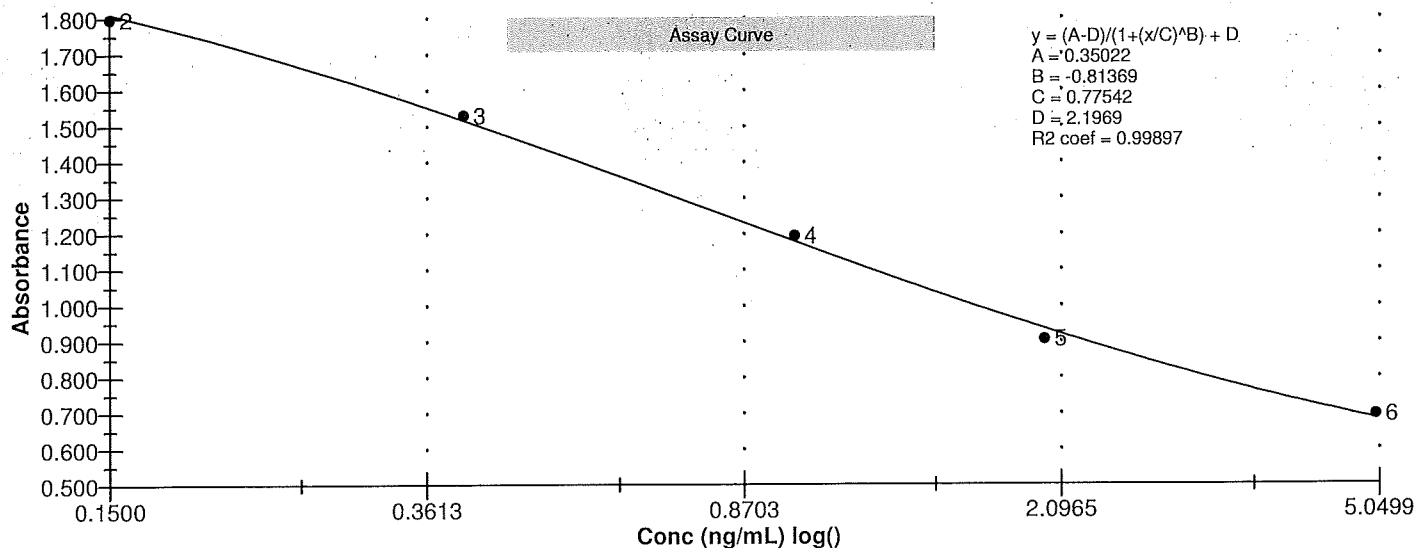
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/30/2017 2:10:46 PM			
Std1	2.150 Abs	0.0088 ng/mL	A01
Std1	2.250 Abs	< 0.0000 ng/mL	B01
Std2	1.803 Abs	0.1558 ng/mL	C01
Std2	1.793 Abs	0.1621 ng/mL	D01
Std3	1.505 Abs	0.4130 ng/mL	E01
Std3	1.556 Abs	0.3565 ng/mL	F01
Std4	1.200 Abs	0.9435 ng/mL	G01
Std4	1.189 Abs	0.9715 ng/mL	H01
Std5	0.901 Abs	2.2195 ng/mL	A02
Std5	0.908 Abs	2.1700 ng/mL	B02
Std6	0.713 Abs	4.3800 ng/mL	C02
Std6	0.676 Abs	> 5.0000 ng/mL	D02
8/30/2017 2:10:46 PM			
Normal Control	1.362 Abs	0.6122 ng/mL	F02
Normal Control	1.233 Abs	0.8640 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.200	0.071	3.21				
Std2	1.798	0.007	0.39	0.159	0.004	2.80	6.00
Std3	1.530	0.036	2.36	0.385	0.040	10.38	-3.75
Std4	1.194	0.008	0.65	0.957	0.020	2.07	-4.30
Std5	0.905	0.005	0.55	2.195	0.035	1.59	9.75
Std6	0.694	0.026	3.77				-100.00
Normal Control	1.298	0.091	7.03	0.738	0.178	24.12	



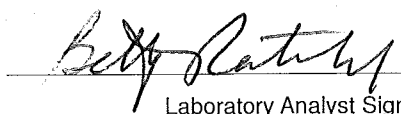


Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/30/2017 2:10:46 PM						
Std1	Microcystins ADDA	2.150 Abs	0.0088 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.250 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.803 Abs	0.1558 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.793 Abs	0.1621 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.505 Abs	0.4130 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.556 Abs	0.3565 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.200 Abs	0.9435 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.189 Abs	0.9715 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.901 Abs	2.2195 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.908 Abs	2.1700 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.713 Abs	4.3800 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.676 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.233 Abs	0.8640 ng/mL			E02
Normal Control	Microcystins ADDA	1.362 Abs	0.6122 ng/mL			F02
AB30330	Microcystins ADDA	2.025 Abs	0.0472 ng/mL	LOW	0.1500 - 5.0000	G02
AB30330	Microcystins ADDA	2.072 Abs [2.0485] {1.6 C	0.0308 ng/mL [0.0388] {29.7 C	Low [Low]	0.1500 - 5.0000	H02
AB30331	Microcystins ADDA	1.882 Abs	0.1109 ng/mL	LOW	0.1500 - 5.0000	A03
AB30331	Microcystins ADDA	2.027 Abs [1.9545] {5.2 C	0.0465 ng/mL [0.0760] {57.9 C	Low [Low]	0.1500 - 5.0000	B03
AB30332	Microcystins ADDA	1.746 Abs	0.1933 ng/mL		0.1500 - 5.0000	C03
AB30332	Microcystins ADDA	1.716 Abs [1.7310] {1.2 C	0.2150 ng/mL [0.2040] {7.5 CV		0.1500 - 5.0000	D03
AB30333	Microcystins ADDA	1.938 Abs	0.0834 ng/mL	LOW	0.1500 - 5.0000	E03
AB30333	Microcystins ADDA	1.983 Abs [1.9605] {1.6 C	0.0637 ng/mL [0.0733] {18.9 C	Low [Low]	0.1500 - 5.0000	F03
AB30334	Microcystins ADDA	1.492 Abs	0.4286 ng/mL		0.1500 - 5.0000	G03
AB30334	Microcystins ADDA	1.504 Abs [1.4980] {0.6 C	0.4142 ng/mL [0.4215] {2.4 CV		0.1500 - 5.0000	H03
AB30335	Microcystins ADDA	1.816 Abs	0.1480 ng/mL	LOW	0.1500 - 5.0000	A04
AB30335	Microcystins ADDA	1.882 Abs [1.8490] {2.5 C	0.1109 ng/mL [0.1288] {20.3 C	Low [Low]	0.1500 - 5.0000	B04
AB30336	Microcystins ADDA	2.213 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
AB30336	Microcystins ADDA	2.204 Abs [2.2085] {0.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D04
AB30337	Microcystins ADDA	2.168 Abs	0.0047 ng/mL	LOW	0.1500 - 5.0000	E04
AB30337	Microcystins ADDA	2.039 Abs [2.1035] {4.3 C	0.0421 ng/mL [0.0211] {113.0 C	Low [Low]	0.1500 - 5.0000	F04
AB30333LD	Microcystins ADDA	2.011 Abs	0.0525 ng/mL	LOW	0.1500 - 5.0000	G04
AB30333LD	Microcystins ADDA	1.989 Abs [2.0000] {0.8 C	0.0613 ng/mL [0.0569] {10.9 C	Low [Low]	0.1500 - 5.0000	H04
20170828LB	Microcystins ADDA	2.265 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
20170828LB	Microcystins ADDA	2.324 Abs [2.2945] {1.8 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B05
Check Sample A	Microcystins ADDA	2.328 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
Check Sample A	Microcystins ADDA	2.265 Abs [2.2965] {1.9 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D05
Check Sample B	Microcystins ADDA	0.831 Abs	2.7985 ng/mL		0.1500 - 5.0000	E05
Check Sample B	Microcystins ADDA	0.931 Abs [0.8810] {8.0 C	2.0200 ng/mL [2.3670] {22.8 C		0.1500 - 5.0000	F05
Check Sample C	Microcystins ADDA	0.608 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
Check Sample C	Microcystins ADDA	0.639 Abs [0.6235] {3.5 C	> 5.0000 ng/mL [> 5.0000]	Out(LR) [Out(LR)]	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.


Laboratory Analyst Signature

8/30/17
Date