



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29917	Pokagon SP	7/17/2017	7/19/2017	< 0.30
AB29918	Southern Basin Inn's Beach	7/17/2017	7/19/2017	< 0.30
AB29919	Chain O'Lakes SP	7/17/2017	7/19/2017	< 0.30
AB29920	Lost Bridge West SRA	7/17/2017	7/19/2017	< 0.30
AB29921	Mississinewa Lake Miami SRA	7/18/2017	7/19/2017	0.53
AB29922	Potato Creek SP	7/18/2017	7/19/2017	< 0.30
AB29922LD	Potato (Lab Duplicate)	7/18/2017	7/19/2017	< 0.30
AB29915	Mississinewa (Field Duplicate)	7/18/2017	7/19/2017	0.53
AB29916	Field Blank	7/18/2017	7/19/2017	< 0.30
20170717LB	Lab Blank	7/17/2017	7/19/2017	< 0.30



Assay Calibration Report

Assay Information

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

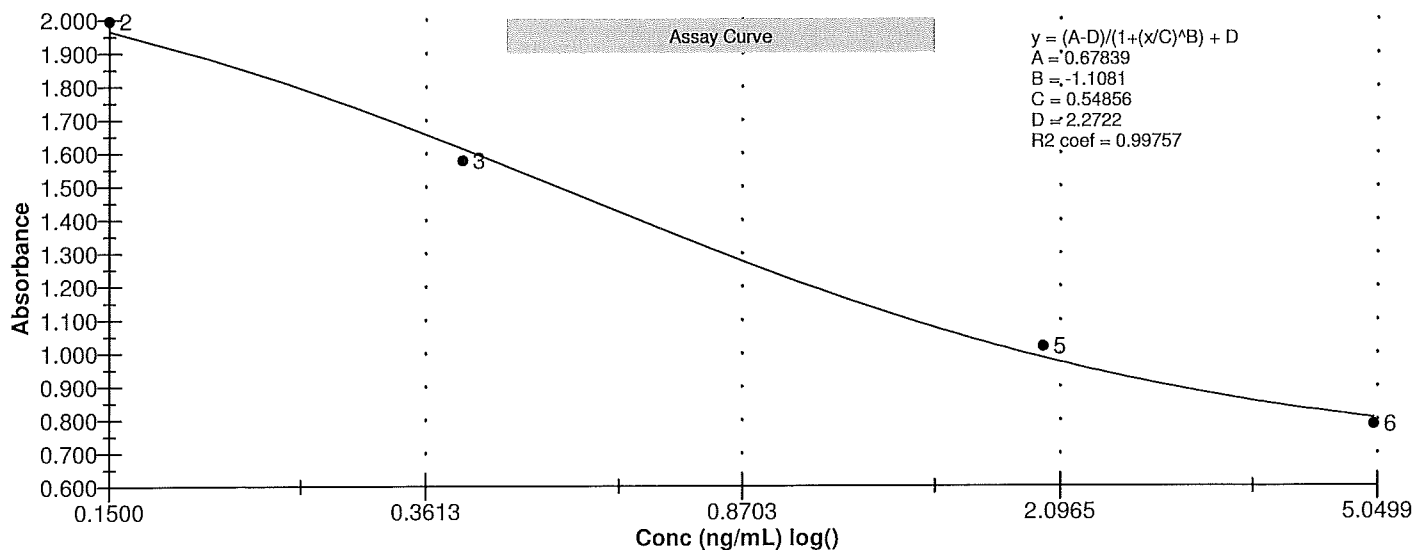
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/19/2017 3:07:27 PM			
Std1	2.269 Abs	0.0020 ng/mL	A01
Std1	2.257 Abs	0.0083 ng/mL	B01
Std2	2.042 Abs	0.1101 ng/mL	C01
Std2	1.953 Abs	0.1572 ng/mL	D01
Std3	1.578 Abs	0.4340 ng/mL	F01
Std5	1.023 Abs	1.7540 ng/mL	A02
Std5	1.014 Abs	1.8080 ng/mL	B02
Std6	0.787 Abs	> 5.0000 ng/mL	C02
Std6	0.784 Abs	> 5.0000 ng/mL	D02
7/19/2017 3:07:27 PM			
Normal Control	1.443 Abs	0.5901 ng/mL	F02
Normal Control	1.436 Abs	0.5996 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.263	0.008	0.37	0.005	0.004	86.50	
Std2	1.997	0.063	3.15	0.134	0.033	24.92	-10.67
Std3	1.578			0.434			8.50
Std5	1.019	0.006	0.62	1.781	0.038	2.14	-10.95
Std6	0.785	0.002	0.27				-100.00
Normal Control	1.439	0.005	0.34	0.595	0.007	1.13	



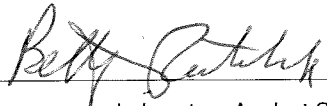


Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/19/2017 3:07:27 PM						
Std1	Microcystins ADDA	2.269 Abs	0.0036 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.257 Abs	0.0120 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.042 Abs	0.1161 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.953 Abs	0.1592 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.525 Abs	0.4422 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.578 Abs	0.3960 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.153 Abs	1.0230 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.125 Abs	1.1050 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.023 Abs	1.5210 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.014 Abs	1.5710 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.787 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.784 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.436 Abs	0.5996 ng/mL			E02
Normal Control	Microcystins ADDA	1.443 Abs	0.5901 ng/mL			F02
AB29917	Microcystins ADDA	2.322 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB29917	Microcystins ADDA	2.274 Abs [2.2980] {1.5 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H02
AB29918	Microcystins ADDA	2.231 Abs	0.0207 ng/mL	LOW	0.1500 - 5.0000	A03
AB29918	Microcystins ADDA	2.296 Abs [2.2635] {2.0 C	< 0.0000 ng/mL [0.0050]	Out(LR) [Low]	0.1500 - 5.0000	B03
AB29919	Microcystins ADDA	2.087 Abs	0.0878 ng/mL	LOW	0.1500 - 5.0000	C03
AB29919	Microcystins ADDA	2.158 Abs [2.1225] {2.4 C	0.0543 ng/mL [0.0709] {33.3 C	Low [Low]	0.1500 - 5.0000	D03
AB29920	Microcystins ADDA	1.994 Abs	0.1350 ng/mL	LOW	0.1500 - 5.0000	E03
AB29920	Microcystins ADDA	2.022 Abs [2.0080] {1.0 C	0.1203 ng/mL [0.1276] {8.1 CV	Low [Low]	0.1500 - 5.0000	F03
AB29921	Microcystins ADDA	1.590 Abs	0.4222 ng/mL		0.1500 - 5.0000	G03
AB29921	Microcystins ADDA	1.396 Abs [1.4930] {9.2 C	0.6567 ng/mL [0.5270] {30.7 C		0.1500 - 5.0000	H03
AB29922	Microcystins ADDA	2.109 Abs	0.0773 ng/mL	LOW	0.1500 - 5.0000	A04
AB29922	Microcystins ADDA	2.082 Abs [2.0955] {0.9 C	0.0903 ng/mL [0.0838] {11.0 C	Low [Low]	0.1500 - 5.0000	B04
AB29922LD	Microcystins ADDA	2.178 Abs	0.0451 ng/mL	LOW	0.1500 - 5.0000	C04
AB29922LD	Microcystins ADDA	2.060 Abs [2.1190] {3.9 C	0.1011 ng/mL [0.0725] {54.2 C	Low [Low]	0.1500 - 5.0000	D04
AB29915	Microcystins ADDA	1.457 Abs	0.5717 ng/mL		0.1500 - 5.0000	E04
AB29915	Microcystins ADDA	1.518 Abs [1.4875] {2.9 C	0.4980 ng/mL [0.5335] {9.7 CV		0.1500 - 5.0000	F04
AB29916	Microcystins ADDA	2.395 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB29916	Microcystins ADDA	2.315 Abs [2.3550] {2.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H04
AB29923	Microcystins ADDA	2.306 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB29923	Microcystins ADDA	2.194 Abs [2.2500] {3.5 C	0.0377 ng/mL [0.0117]	Low [Low]	0.1500 - 5.0000	B05
20170717LB	Microcystins ADDA	2.358 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
20170717LB	Microcystins ADDA	2.315 Abs [2.3365] {1.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D05
CheckB	Microcystins ADDA	0.936 Abs	2.4240 ng/mL		0.1500 - 5.0000	G05
CheckB	Microcystins ADDA	1.038 Abs [0.9870] {7.3 C	1.6695 ng/mL [1.9880] {26.1 C		0.1500 - 5.0000	H05
CheckC	Microcystins ADDA	0.601 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A06
CheckC	Microcystins ADDA	0.665 Abs [0.6330] {7.1 C	> 5.0000 ng/mL [> 5.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B06

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