



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26653	Mississinewa Miami SRA	8/29/2016	8/31/2016	< 0.15
AB26654	Potato Creek SP	8/29/2016	8/31/2016	1.2
AB26655	Pokagon SP	8/30/2016	8/31/2016	0.16
AB26656	Southern Basin Inn's Beach	8/30/2016	8/31/2016	< 0.15
AB26657	Chain O'Lakes SP	8/30/2016	8/31/2016	< 0.15
AB26658	Lost Bridge West SRA	8/30/2016	8/31/2016	0.70
AB26659	Mississinewa (Field Duplicate)	8/29/2016	8/31/2016	< 0.15
AB26660	Field Blank	8/29/2016	8/31/2016	< 0.15
AB26700	Ferdinand SP	8/29/2016	8/31/2016	0.15
AB26700LD	Ferdinand (Lab Duplicate)	8/29/2016	8/31/2016	0.22
AB26701	Lincoln SP	8/29/2016	8/31/2016	< 0.15
20160829LB	Lab Blank	8/29/2016	8/31/2016	< 0.15



# 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:

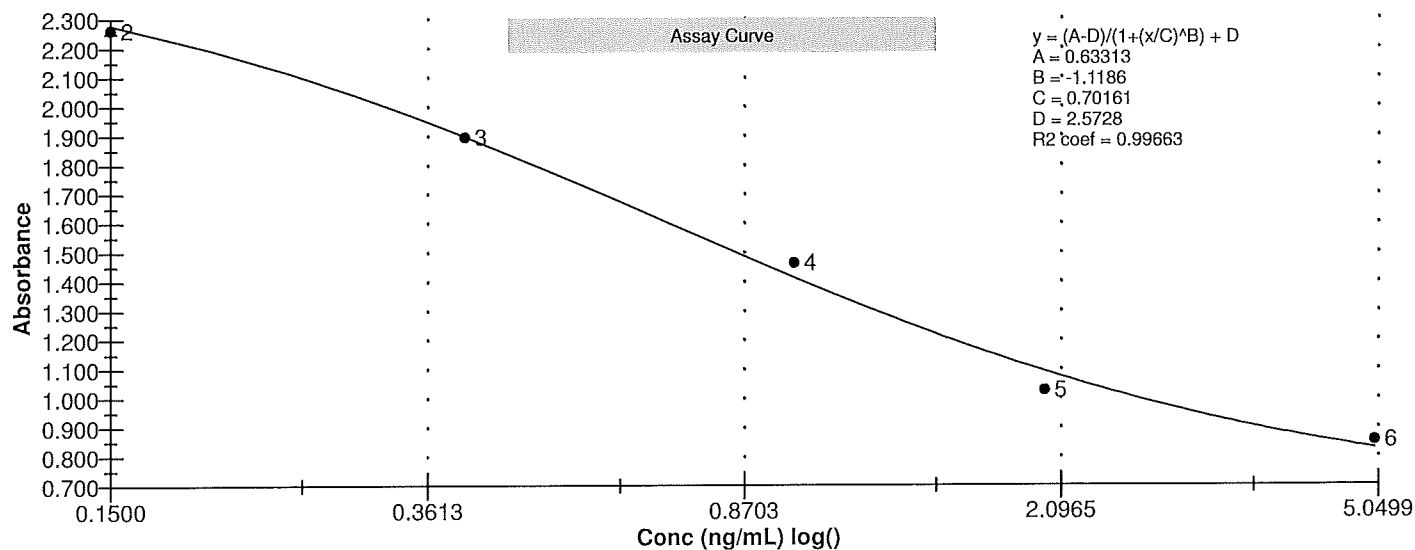
Controls:  
Normal Control  
Standards:

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
8/31/2016 11:46:57 AM			
Std1	2.590 Abs	< 0.0000 ng/mL	A01
Std1	2.571 Abs	0.0014 ng/mL	B01
Std2	2.198 Abs	0.1955 ng/mL	C01
Std2	2.329 Abs	0.1239 ng/mL	D01
Std3	1.838 Abs	0.4510 ng/mL	E01
Std3	1.954 Abs	0.3562 ng/mL	F01
Std4	1.495 Abs	0.8570 ng/mL	G01
Std4	1.432 Abs	0.9646 ng/mL	H01
Std5	0.999 Abs	2.5850 ng/mL	A02
Std5	1.052 Abs	2.2220 ng/mL	B02
Std6	0.838 Abs	4.7350 ng/mL	C02
Std6	0.868 Abs	4.1285 ng/mL	D02
8/31/2016 11:46:57 AM			
Normal Control	1.658 Abs	0.6338 ng/mL	F02
Normal Control	1.596 Abs	0.7106 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.581	0.013	0.52				
Std2	2.263	0.093	4.09	0.160	0.051	31.70	6.67
Std3	1.896	0.082	4.33	0.404	0.067	16.61	1.00
Std4	1.464	0.045	3.04	0.911	0.076	8.35	-8.90
Std5	1.026	0.037	3.65	2.404	0.257	10.68	20.20
Std6	0.853	0.021	2.49	4.432	0.429	9.68	-11.36
Normal Control	1.627	0.044	2.69	0.672	0.054	8.08	






# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/31/2016 11:46:57 AM						
Std1	Microcystins ADDA	2.590 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.571 Abs	0.0014 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.198 Abs	0.1955 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.329 Abs	0.1239 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.838 Abs	0.4510 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.954 Abs	0.3562 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.495 Abs	0.8570 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.432 Abs	0.9646 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.999 Abs	2.5850 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.052 Abs	2.2220 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.838 Abs	4.7350 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.868 Abs	4.1285 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.596 Abs	0.7106 ng/mL			E02
Normal Control	Microcystins ADDA	1.658 Abs	0.6338 ng/mL			F02
AB26653	Microcystins ADDA	2.385 Abs	0.0953 ng/mL	LOW	0.1500 - 5.0000	G02
AB26653	Microcystins ADDA	2.469 Abs [2.4270] {2.4 C	0.0538 ng/mL [0.0744] {39.4 C	Low [Low]	0.1500 - 5.0000	H02
AB26654	Microcystins ADDA	1.349 Abs	1.1330 ng/mL		0.1500 - 5.0000	A03
AB26654	Microcystins ADDA	1.277 Abs [1.3130] {3.9 C	1.3110 ng/mL [1.2180] {10.3 C		0.1500 - 5.0000	B03
AB26655	Microcystins ADDA	2.267 Abs	0.1568 ng/mL		0.1500 - 5.0000	C03
AB26655	Microcystins ADDA	2.260 Abs [2.2635] {0.2 C	0.1607 ng/mL [0.1587] {1.7 CV		0.1500 - 5.0000	D03
AB26656	Microcystins ADDA	2.380 Abs	0.0978 ng/mL	LOW	0.1500 - 5.0000	E03
AB26656	Microcystins ADDA	2.441 Abs [2.4105] {1.8 C	0.0675 ng/mL [0.0825] {25.9 C	Low [Low]	0.1500 - 5.0000	F03
AB26657	Microcystins ADDA	2.519 Abs	0.0292 ng/mL	LOW	0.1500 - 5.0000	G03
AB26657	Microcystins ADDA	2.485 Abs [2.5020] {1.0 C	0.0460 ng/mL [0.0376] {31.6 C	Low [Low]	0.1500 - 5.0000	H03
AB26658	Microcystins ADDA	1.624 Abs	0.6750 ng/mL		0.1500 - 5.0000	A04
AB26658	Microcystins ADDA	1.591 Abs [1.6075] {1.5 C	0.7172 ng/mL [0.6957] {4.3 CV		0.1500 - 5.0000	B04
AB26659	Microcystins ADDA	2.334 Abs	0.1213 ng/mL	LOW	0.1500 - 5.0000	C04
AB26659	Microcystins ADDA	2.343 Abs [2.3385] {0.3 C	0.1167 ng/mL [0.1190] {2.7 CV	Low [Low]	0.1500 - 5.0000	D04
AB26660	Microcystins ADDA	2.732 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
AB26660	Microcystins ADDA	2.656 Abs [2.6940] {2.0 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
AB26700	Microcystins ADDA	2.216 Abs	0.1852 ng/mL		0.1500 - 5.0000	G04
AB26700	Microcystins ADDA	2.354 Abs [2.2850] {4.3 C	0.1110 ng/mL [0.1471] {35.4 C	Low [Low]	0.1500 - 5.0000	H04
AB26700LD	Microcystins ADDA	2.180 Abs	0.2060 ng/mL		0.1500 - 5.0000	A05
AB26700LD	Microcystins ADDA	2.123 Abs [2.1515] {1.9 C	0.2405 ng/mL [0.2230] {10.9 C		0.1500 - 5.0000	B05
AB26701	Microcystins ADDA	2.449 Abs	0.0636 ng/mL	LOW	0.1500 - 5.0000	C05
AB26701	Microcystins ADDA	2.262 Abs [2.3555] {5.6 C	0.1595 ng/mL [0.1103] {60.8 C	[Low]	0.1500 - 5.0000	D05
20160829LB	Microcystins ADDA	2.663 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E05
20160829LB	Microcystins ADDA	2.574 Abs [2.6185] {2.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F05
Check A	Microcystins ADDA	2.669 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
Check A	Microcystins ADDA	2.624 Abs [2.6465] {1.2 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H05
Check B	Microcystins ADDA	1.167 Abs	1.6675 ng/mL		0.1500 - 5.0000	A06
Check B	Microcystins ADDA	1.195 Abs [1.1810] {1.7 C	1.5645 ng/mL [1.6145] {4.5 CV		0.1500 - 5.0000	B06
Check C	Microcystins ADDA	0.679 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C06
Check C	Microcystins ADDA	0.662 Abs [0.6705] {1.8 C	> 5.0000 ng/mL [> 5.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D06

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

8/31/16  
Date