



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB25335	Mississinewa Miami SRA	5/23/2016	5/25/2016	< 0.150
AB25336	Potato Creek SP	5/23/2016	5/25/2016	< 0.150
AB25337	Pokagon SP	5/24/2016	5/25/2016	< 0.150
AB25338	Chain O'Lakes SP	5/24/2016	5/25/2016	< 0.150
AB25339	Lost Bridge West SRA	5/24/2016	5/25/2016	< 0.150
AB25333	Potato Creek (Field Duplicate)	5/23/2016	5/25/2016	< 0.150
AB25334	Field Blank	5/23/2016	5/25/2016	< 0.150
AB25335LD	Mississinewa (Lab Duplicate)	5/23/2016	5/25/2016	< 0.150
20160523LB	Lab Blank	5/23/2016	5/25/2016	< 0.150



# 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

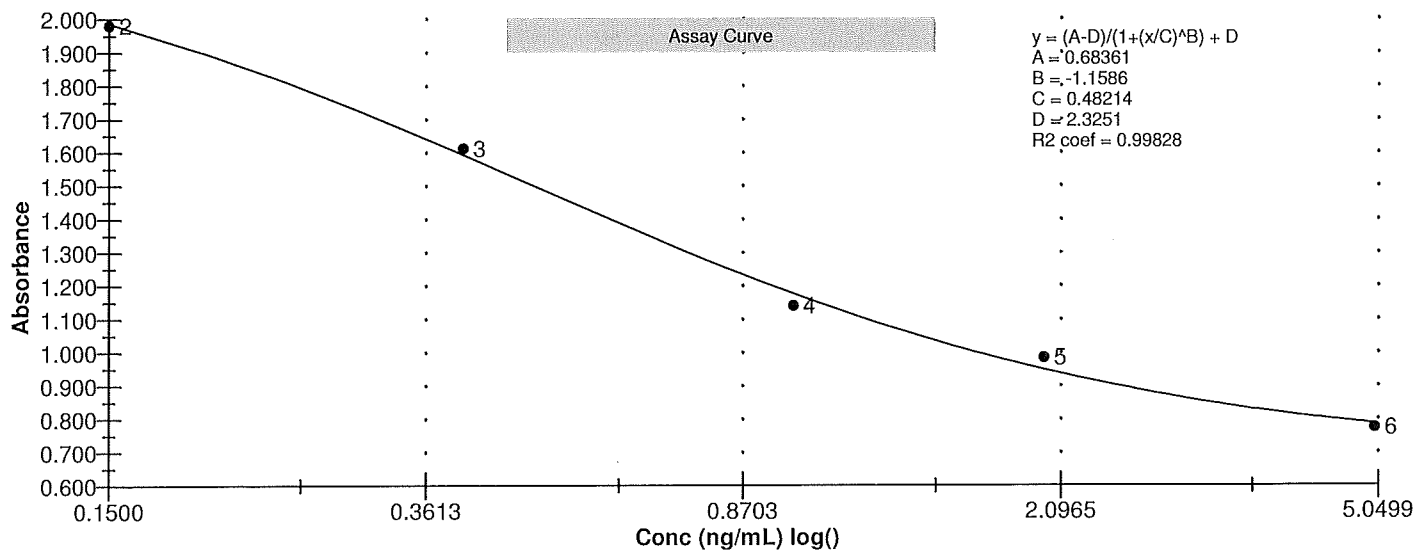
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
5/25/2016 1:08:37 PM			
Std1	2.314 Abs	0.0065 ng/mL	A01
Std1	2.339 Abs	< 0.0000 ng/mL	B01
Std2	1.992 Abs	0.1480 ng/mL	C01
Std2	1.971 Abs	0.1582 ng/mL	D01
Std3	1.576 Abs	0.4145 ng/mL	E01
Std3	1.647 Abs	0.3560 ng/mL	F01
Std4	1.108 Abs	1.1970 ng/mL	G01
Std4	1.172 Abs	1.0120 ng/mL	H01
Std5	1.029 Abs	1.5100 ng/mL	A02
Std5	0.939 Abs	2.0750 ng/mL	B02
Std6	0.772 Abs	> 5.0000 ng/mL	C02
Std6	0.776 Abs	> 5.0000 ng/mL	D02
5/25/2016 1:08:37 PM			
Normal Control	1.435 Abs	0.5580 ng/mL	F02
Normal Control	1.413 Abs	0.5846 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.326	0.018	0.76				
Std2	1.981	0.015	0.75	0.153	0.007	4.71	2.00
Std3	1.612	0.050	3.12	0.385	0.041	10.74	-3.75
Std4	1.140	0.045	3.97	1.105	0.131	11.84	10.50
Std5	0.984	0.064	6.47	1.793	0.400	22.29	-10.35
Std6	0.774	0.003	0.37				-100.00
Normal Control	1.424	0.016	1.09	0.571	0.019	3.29	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/25/2016 1:08:37 PM						
Std1	Microcystins ADDA	2.314 Abs	0.0065 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.339 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.992 Abs	0.1480 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.971 Abs	0.1582 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.576 Abs	0.4145 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.647 Abs	0.3560 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.108 Abs	1.1970 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.172 Abs	1.0120 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.029 Abs	1.5100 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.939 Abs	2.0750 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.772 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.776 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.413 Abs	0.5846 ng/mL			E02
Normal Control	Microcystins ADDA	1.435 Abs	0.5580 ng/mL			F02
AB25335	Microcystins ADDA	2.303 Abs	0.0118 ng/mL	LOW	0.1500 - 5.0000	G02
AB25335	Microcystins ADDA	2.245 Abs [2.2740] {1.8 C	0.0371 ng/mL [0.0248] {73.2 C	Low [Low]	0.1500 - 5.0000	H02
AB25336	Microcystins ADDA	2.113 Abs	0.0929 ng/mL	LOW	0.1500 - 5.0000	A03
AB25336	Microcystins ADDA	2.272 Abs [2.1925] {5.1 C	0.0257 ng/mL [0.0591] {80.1 C	Low [Low]	0.1500 - 5.0000	B03
AB25337	Microcystins ADDA	2.386 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB25337	Microcystins ADDA	2.172 Abs [2.2790] {6.6 C	0.0677 ng/mL [0.0226]	Low [Low]	0.1500 - 5.0000	D03
AB25338	Microcystins ADDA	2.136 Abs	0.0830 ng/mL	LOW	0.1500 - 5.0000	E03
AB25338	Microcystins ADDA	2.090 Abs [2.1130] {1.5 C	0.1030 ng/mL [0.0929] {15.2 C	Low [Low]	0.1500 - 5.0000	F03
AB25339	Microcystins ADDA	2.339 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB25339	Microcystins ADDA	2.235 Abs [2.2870] {3.2 C	0.0413 ng/mL [0.0191]	Low [Low]	0.1500 - 5.0000	H03
AB25333	Microcystins ADDA	2.287 Abs	0.0191 ng/mL	LOW	0.1500 - 5.0000	A04
AB25333	Microcystins ADDA	2.274 Abs [2.2805] {0.4 C	0.0248 ng/mL [0.0220] {18.4 C	Low [Low]	0.1500 - 5.0000	B04
AB25334	Microcystins ADDA	2.289 Abs	0.0182 ng/mL	LOW	0.1500 - 5.0000	C04
AB25334	Microcystins ADDA	2.352 Abs [2.3205] {1.9 C	< 0.0000 ng/mL [0.0030]	Out(LR) [Low]	0.1500 - 5.0000	D04
AB25335LD	Microcystins ADDA	2.073 Abs	0.1105 ng/mL	LOW	0.1500 - 5.0000	E04
AB25335LD	Microcystins ADDA	2.096 Abs [2.0845] {0.8 C	0.1003 ng/mL [0.1054] {6.8 CV	Low [Low]	0.1500 - 5.0000	F04
20160523LB	Microcystins ADDA	2.324 Abs	0.0008 ng/mL	LOW	0.1500 - 5.0000	G04
20160523LB	Microcystins ADDA	2.196 Abs [2.2600] {4.0 C	0.0576 ng/mL [0.0308] {137.5 C	Low [Low]	0.1500 - 5.0000	H04

The data in this report is preliminary without a quality control report. This data is not warranted for accuracy or other purposes.

*Betty Rathel*

Laboratory Analyst Signature

5/25/16

Date