



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22959	Mississinewa Lake Miami SRA	8/24/2015	8/26/2015	0.21
AB22960	Potato Creek	8/24/2015	8/26/2015	0.20
AB22961	Chain O' Lake SP	8/24/2015	8/26/2015	0.32
AB22962	Lost Bridge West SRA	8/24/2015	8/26/2015	0.58
AB22963	Potato Creek (Field Duplicate)	8/24/2015	8/26/2015	0.23
AB22964	Field Blank	8/24/2015	8/26/2015	< 0.150
AB22961LD	Chain O' Lake (Lab Duplicate)	8/24/2015	8/26/2015	0.25
20150824LB	Lab Blank	8/24/2015	8/26/2015	< 0.150



# 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:

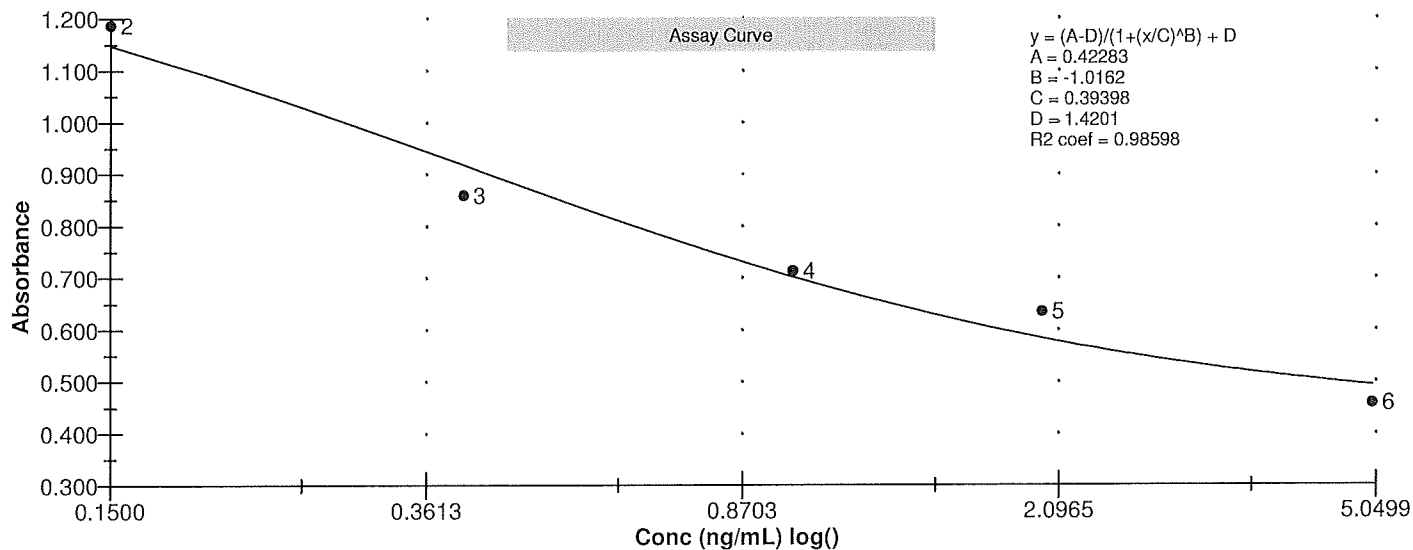
Controls:  
Normal Control

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
8/26/2015 12:04:58 PM			
Std1	1.410 Abs	0.0044 ng/mL	A01
Std1	1.415 Abs	0.0022 ng/mL	B01
Std2	1.194 Abs	0.1177 ng/mL	C01
Std2	1.179 Abs	0.1280 ng/mL	D01
Std3	0.871 Abs	0.4810 ng/mL	E01
Std3	0.848 Abs	0.5275 ng/mL	F01
Std4	0.713 Abs	0.9470 ng/mL	G01
Std5	0.635 Abs	1.4285 ng/mL	B02
Std6	0.478 Abs	> 5.0000 ng/mL	C02
Std6	0.439 Abs	> 5.0000 ng/mL	D02
8/26/2015 12:04:58 PM			
Normal Control	0.837 Abs	0.5515 ng/mL	F02
Normal Control	0.818 Abs	0.5965 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.412	0.004	0.25	0.003	0.002	47.14	
Std2	1.187	0.011	0.89	0.123	0.007	5.93	-18.00
Std3	0.859	0.016	1.89	0.504	0.033	6.52	26.00
Std4	0.713			0.947			-5.30
Std5	0.635			1.429			-28.55
Std6	0.458	0.028	6.01				-100.00
Normal Control	0.827	0.013	1.62	0.574	0.032	5.54	



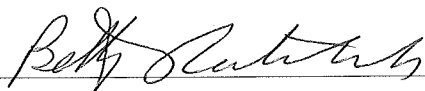


# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/26/2015 12:04:58 PM						
Std1	Microcystins ADDA	1.410 Abs	0.0058 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.415 Abs	0.0029 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.194 Abs	0.1248 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.179 Abs	0.1346 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.871 Abs	0.4540 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.848 Abs	0.4945 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.713 Abs	0.8545 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.673 Abs	1.0330 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.579 Abs	1.8150 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.635 Abs	1.2650 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.478 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.439 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.818 Abs	0.5965 ng/mL			E02
Normal Control	Microcystins ADDA	0.837 Abs	0.5515 ng/mL			F02
AB22959	Microcystins ADDA	1.068 Abs	0.2171 ng/mL		0.1500 - 5.0000	G02
AB22959	Microcystins ADDA	1.074 Abs	0.2115 ng/mL		0.1500 - 5.0000	H02
AB22960	Microcystins ADDA	1.074 Abs	0.2115 ng/mL		0.1500 - 5.0000	A03
AB22960	Microcystins ADDA	1.093 Abs	0.1945 ng/mL		0.1500 - 5.0000	B03
AB22961	Microcystins ADDA	0.968 Abs	0.3276 ng/mL		0.1500 - 5.0000	C03
AB22961	Microcystins ADDA	0.981 Abs	0.3110 ng/mL		0.1500 - 5.0000	D03
AB22962	Microcystins ADDA	0.849 Abs	0.5255 ng/mL		0.1500 - 5.0000	E03
AB22962	Microcystins ADDA	0.804 Abs	0.6320 ng/mL		0.1500 - 5.0000	F03
AB22963	Microcystins ADDA	1.017 Abs	0.2690 ng/mL		0.1500 - 5.0000	G03
AB22963	Microcystins ADDA	1.108 Abs	0.1817 ng/mL		0.1500 - 5.0000	H03
AB22964	Microcystins ADDA	1.602 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB22964	Microcystins ADDA	1.599 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04
AB22961LD	Microcystins ADDA	1.127 Abs	0.1663 ng/mL		0.1500 - 5.0000	C04
AB22961LD	Microcystins ADDA	0.969 Abs	0.3265 ng/mL		0.1500 - 5.0000	D04
20150824LB	Microcystins ADDA	1.561 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
20150824LB	Microcystins ADDA	1.584 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F04
Wabash	Microcystins ADDA	0.324 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
Wabash	Microcystins ADDA	0.355 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB22988	Microcystins ADDA	1.403 Abs	0.0073 ng/mL	LOW	0.1500 - 5.0000	A05
AB22988	Microcystins ADDA	1.336 Abs	0.0377 ng/mL	LOW	0.1500 - 5.0000	B05
AB22989	Microcystins ADDA	1.539 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB22989	Microcystins ADDA	1.513 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D05
AB22990	Microcystins ADDA	1.392 Abs	0.0121 ng/mL	LOW	0.1500 - 5.0000	E05
AB22990	Microcystins ADDA	1.469 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F05
AB22991	Microcystins ADDA	1.358 Abs	0.0273 ng/mL	LOW	0.1500 - 5.0000	G05
AB22991	Microcystins ADDA	1.351 Abs	0.0305 ng/mL	LOW	0.1500 - 5.0000	H05
AB22992	Microcystins ADDA	1.110 Abs	0.1800 ng/mL		0.1500 - 5.0000	A06
AB22992	Microcystins ADDA	1.068 Abs	0.2171 ng/mL		0.1500 - 5.0000	B06
AB22993	Microcystins ADDA	1.410 Abs	0.0044 ng/mL	LOW	0.1500 - 5.0000	C06
AB22993	Microcystins ADDA	1.451 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D06
AB22994	Microcystins ADDA	1.085 Abs	0.2015 ng/mL		0.1500 - 5.0000	E06
AB22994	Microcystins ADDA	1.105 Abs	0.1842 ng/mL		0.1500 - 5.0000	F06
AB22995	Microcystins ADDA	1.394 Abs	0.0112 ng/mL	LOW	0.1500 - 5.0000	G06
AB22995	Microcystins ADDA	1.334 Abs	0.0386 ng/mL	LOW	0.1500 - 5.0000	H06

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

8/27/15

Date



## Test Report

Test Information						
Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
AB22996	Microcystins ADDA	1.212 Abs	0.1061 ng/mL	LOW	0.1500 - 5.0000	A07
AB22996	Microcystins ADDA	1.178 Abs	0.1286 ng/mL	LOW	0.1500 - 5.0000	B07
AB22997	Microcystins ADDA	1.548 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C07
AB22997	Microcystins ADDA	1.550 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D07
AB22998	Microcystins ADDA	1.586 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E07
AB22998	Microcystins ADDA	1.477 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F07

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Laboratory Analyst Signature

Date