



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB18521	Fairfax SRA	8/4/2014	8/6/2014	<0.150
AB18522	Paynetown SRA	8/4/2014	8/6/2014	<0.150
AB18523	Starve Hollow SRA	8/4/2014	8/6/2014	<0.150
AB18524	Deam Lake SRA	8/4/2014	8/6/2014	<0.150
AB18525	Hardy Lake SRA	8/4/2014	8/6/2014	<0.150
AB18525LD	Hardy Lake SRA (Lab Duplicate)	8/4/2014	8/6/2014	0.173
AB18531	Field Blank	8/4/2014	8/6/2014	<0.150
20140804LB	Lab Blank	8/4/2014	8/6/2014	<0.150
AB18526	Raccoon Lake SRA	8/5/2014	8/6/2014	<0.150
AB18527	Whitewater Memorial SP	8/5/2014	8/6/2014	<0.150
AB18528	Quakertown SRA	8/5/2014	8/6/2014	0.285
AB18529	Mounds SRA	8/5/2014	8/6/2014	0.303
AB18530	Quakertown SRA (Field Duplicate)	8/5/2014	8/6/2014	0.199
AB18725	Summit Lake SP	8/5/2014	8/6/2014	1.795



# Assay Calibration Report

## Assay Information

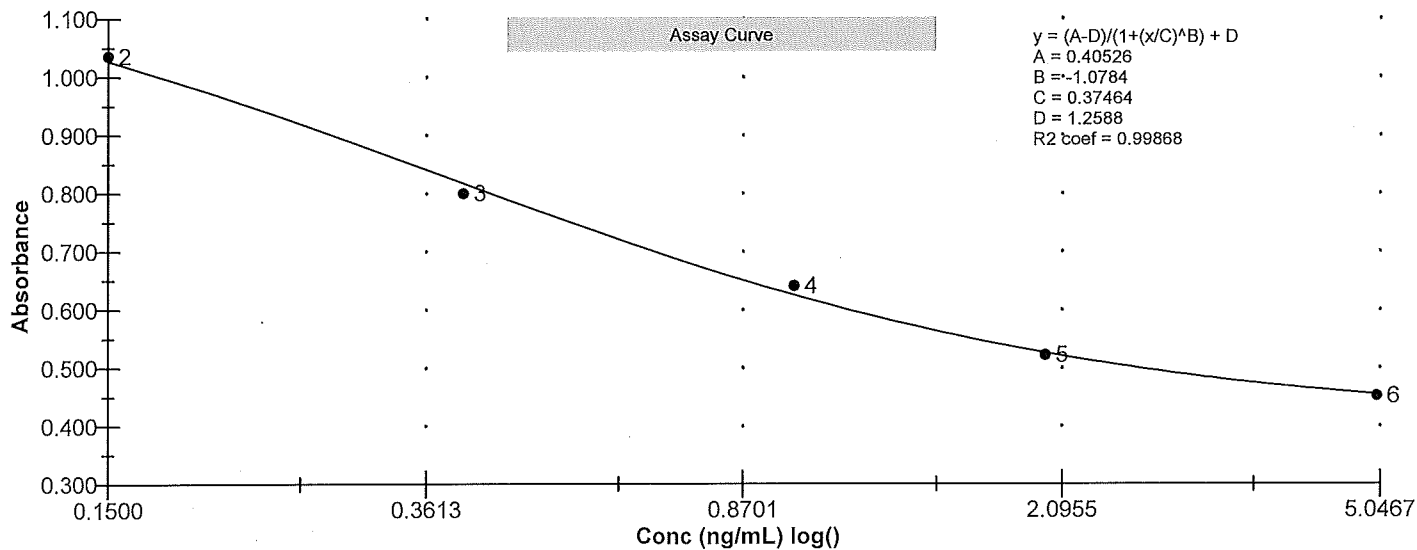
Assay Name: Microcystins ADDA Units: ng/mL  
 Assay Mode: 4-Parameter Logistic # of decimals: 4  
 Normal: 0.1500 - 5.0000 Assay Description:

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
8/6/2014 12:30:11 PM			
Std1	1.297 Abs	< 0.0000 ng/mL	A01
Std1	1.217 Abs	0.0239 ng/mL	B01
Std2	1.048 Abs	0.1332 ng/mL	C01
Std2	1.024 Abs	0.1525 ng/mL	D01
Std3	0.809 Abs	0.4140 ng/mL	E01
Std3	0.791 Abs	0.4480 ng/mL	F01
Std4	0.633 Abs	0.9570 ng/mL	G01
Std4	0.650 Abs	0.8725 ng/mL	H01
Std5	0.522 Abs	2.0695 ng/mL	A02
Std6	0.453 Abs	> 5.0000 ng/mL	C02
Std6	0.451 Abs	> 5.0000 ng/mL	D02
8/6/2014 12:30:11 PM			
Normal Control	0.672 Abs	0.7785 ng/mL	D06
Normal Control	0.713 Abs	0.6375 ng/mL	C06
Normal Control	0.704 Abs	0.6650 ng/mL	F02
Normal Control	0.714 Abs	0.6345 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.257	0.057	4.50				
Std2	1.036	0.017	1.64	0.143	0.014	9.55	-4.67
Std3	0.800	0.013	1.59	0.431	0.024	5.58	7.75
Std4	0.641	0.012	1.87	0.915	0.060	6.53	-8.50
Std5	0.522			2.069			3.45
Std6	0.452	0.001	0.31				-100.00
Normal Control	0.701	0.020	2.81	0.679	0.068	9.99	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/6/2014 12:30:11 PM						
Std1	Microcystins ADDA	1.297 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.217 Abs	0.0228 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.048 Abs	0.1310 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.024 Abs	0.1505 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.809 Abs	0.4185 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.791 Abs	0.4535 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.633 Abs	0.9900 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.650 Abs	0.9000 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.522 Abs	2.2050 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.561 Abs	1.5840 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.453 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.451 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.714 Abs	0.6345 ng/mL			E02
Normal Control	Microcystins ADDA	0.704 Abs	0.6650 ng/mL			F02
AB18521	Microcystins ADDA	1.261 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB18521	Microcystins ADDA	1.270 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB18522	Microcystins ADDA	1.063 Abs	0.1217 ng/mL	LOW	0.1500 - 5.0000	A03
AB18522	Microcystins ADDA	1.133 Abs	0.0735 ng/mL	LOW	0.1500 - 5.0000	B03
AB18523	Microcystins ADDA	1.226 Abs	0.0189 ng/mL	LOW	0.1500 - 5.0000	C03
AB18523	Microcystins ADDA	1.141 Abs	0.0685 ng/mL	LOW	0.1500 - 5.0000	D03
AB18524	Microcystins ADDA	1.141 Abs	0.0685 ng/mL	LOW	0.1500 - 5.0000	E03
AB18524	Microcystins ADDA	1.141 Abs	0.0685 ng/mL	LOW	0.1500 - 5.0000	F03
AB18525	Microcystins ADDA	1.002 Abs	0.1714 ng/mL		0.1500 - 5.0000	G03
AB18525	Microcystins ADDA	1.063 Abs	0.1217 ng/mL	LOW	0.1500 - 5.0000	H03
AB18525LD	Microcystins ADDA	0.998 Abs	0.1750 ng/mL		0.1500 - 5.0000	A04
AB18525LD	Microcystins ADDA	1.002 Abs	0.1714 ng/mL		0.1500 - 5.0000	B04
AB18531	Microcystins ADDA	1.247 Abs	0.0071 ng/mL	LOW	0.1500 - 5.0000	C04
AB18531	Microcystins ADDA	1.265 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D04
20140804LB	Microcystins ADDA	1.196 Abs	0.0357 ng/mL	LOW	0.1500 - 5.0000	E04
20140804LB	Microcystins ADDA	1.205 Abs	0.0306 ng/mL	LOW	0.1500 - 5.0000	F04
AB18526	Microcystins ADDA	1.053 Abs	0.1293 ng/mL	LOW	0.1500 - 5.0000	G04
AB18526	Microcystins ADDA	1.078 Abs	0.1107 ng/mL	LOW	0.1500 - 5.0000	H04
AB18527	Microcystins ADDA	1.185 Abs	0.0421 ng/mL	LOW	0.1500 - 5.0000	A05
AB18527	Microcystins ADDA	1.284 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B05
AB18528	Microcystins ADDA	0.884 Abs	0.2985 ng/mL		0.1500 - 5.0000	C05
AB18528	Microcystins ADDA	0.906 Abs	0.2706 ng/mL		0.1500 - 5.0000	D05
AB18529	Microcystins ADDA	0.871 Abs	0.3160 ng/mL		0.1500 - 5.0000	E05
AB18529	Microcystins ADDA	0.890 Abs	0.2907 ng/mL		0.1500 - 5.0000	F05
AB18530	Microcystins ADDA	0.969 Abs	0.2021 ng/mL		0.1500 - 5.0000	G05
AB18530	Microcystins ADDA	0.975 Abs	0.1963 ng/mL		0.1500 - 5.0000	H05
AB18725	Microcystins ADDA	0.520 Abs	2.1050 ng/mL		0.1500 - 5.0000	A06
AB18725	Microcystins ADDA	0.563 Abs	1.4845 ng/mL		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.

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Laboratory Analyst Signature

7 Aug 2014  
Date