



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB16337	Fairfax SRA	5/12/2014	5/15/2014	< 0.150
AB16338	Paynetown SRA	5/12/2014	5/15/2014	< 0.150
AB16339	Deam Lake SRA	5/12/2014	5/15/2014	< 0.150
AB16340	Starve Hollow SRA	5/12/2014	5/15/2014	< 0.150
AB16341	Hardy Lake SRA	5/12/2014	5/15/2014	< 0.150
AB16357	Paynetown SRA (Field Duplicate)	5/12/2014	5/15/2014	< 0.150
AB16358	Field Blank	5/12/2014	5/15/2014	< 0.150
20140512LB	Lab Blank	5/12/2014	5/15/2014	< 0.150
AB16341LD	Hardy Lake SRA (Lab Duplicate)	5/12/2014	5/15/2014	< 0.150
AB16709	Raccoon Lake SRA	5/12/2014	5/15/2014	< 0.150
AB16710	Whitewater Memorial SP	5/12/2014	5/15/2014	< 0.150
AB16711	Quakertown SRA	5/12/2014	5/15/2014	< 0.150
AB16712	Mounds SRA	5/12/2014	5/15/2014	< 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

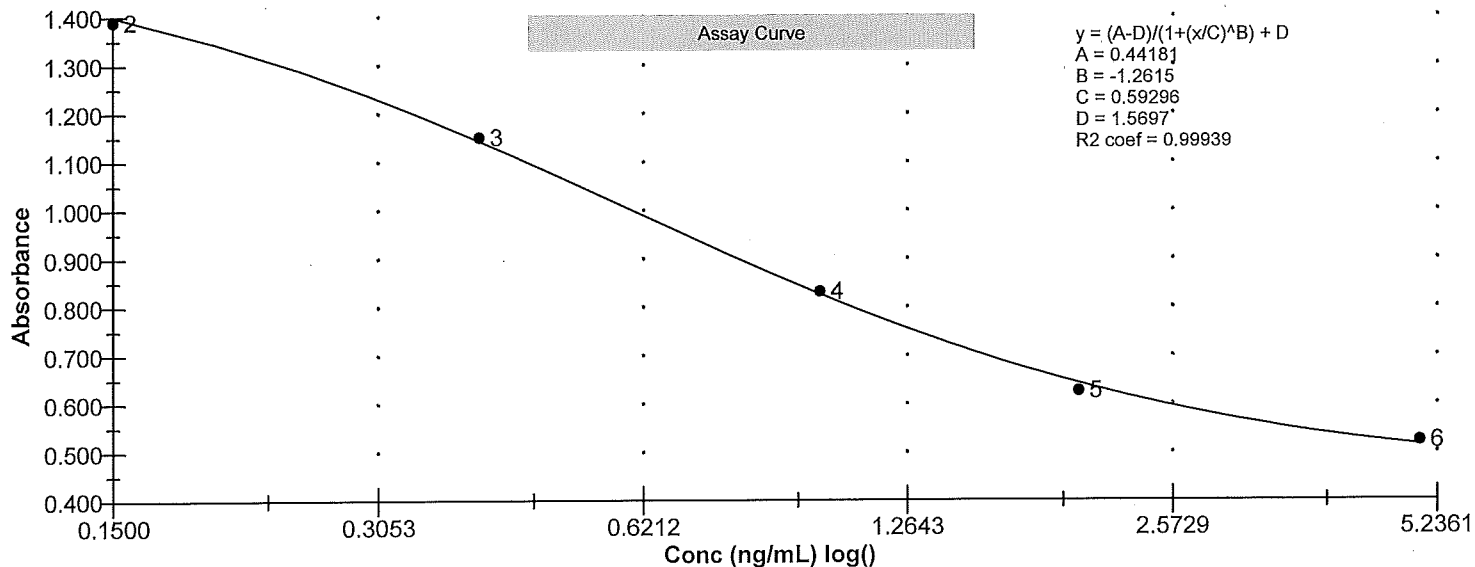
Curve valid interval: 7 days 0 hours

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

## Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
5/15/2014 12:10:41 PM			
Std1	1.498 Abs	0.0702 ng/mL	A01
Std1	1.649 Abs	< 0.0000 ng/mL	B01
Std2	1.397 Abs	0.1528 ng/mL	C01
Std2	1.384 Abs	0.1636 ng/mL	D01
Std3	1.041 Abs	0.5370 ng/mL	E01
Std3	1.261 Abs	0.2735 ng/mL	F01
Std4	0.842 Abs	0.9525 ng/mL	G01
Std4	0.822 Abs	1.0135 ng/mL	H01
Std5	0.611 Abs	2.3450 ng/mL	A02
Std5	0.641 Abs	2.0100 ng/mL	B02
Std6	0.522 Abs	4.5500 ng/mL	D02
5/15/2014 12:10:41 PM			
Normal Control	1.016 Abs	0.5760 ng/mL	F02
Normal Control	0.981 Abs	0.6356 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.574	0.107	6.79				
Std2	1.390	0.009	0.66	0.158	0.008	4.83	5.33
Std3	1.151	0.156	13.52	0.405	0.186	45.98	1.25
Std4	0.832	0.014	1.70	0.983	0.043	4.39	-1.70
Std5	0.626	0.021	3.39	2.178	0.237	10.88	8.90
Std6	0.522			4.550			-9.00
Normal Control	0.998	0.025	2.48	0.606	0.042	6.96	





# Test Report

## Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/15/2014 12:10:41 PM						
Std1	Microcystins ADDA	1.498 Abs	0.0715 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.649 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.397 Abs	0.1540 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.384 Abs	0.1648 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.041 Abs	0.5342 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.261 Abs	0.2738 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.842 Abs	0.9485 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.822 Abs	1.0100 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.611 Abs	2.4100 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.641 Abs	2.0445 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.546 Abs	3.9050 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.522 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.981 Abs	0.6356 ng/mL			E02
Normal Control	Microcystins ADDA	1.016 Abs	0.5760 ng/mL			F02
AB16337	Microcystins ADDA	1.830 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB16337	Microcystins ADDA	1.819 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB16338	Microcystins ADDA	1.440 Abs	0.1176 ng/mL	LOW	0.1500 - 5.0000	A03
AB16338	Microcystins ADDA	1.568 Abs	0.0035 ng/mL	LOW	0.1500 - 5.0000	B03
AB16339	Microcystins ADDA	1.591 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB16339	Microcystins ADDA	1.587 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D03
AB16340	Microcystins ADDA	1.538 Abs	0.0357 ng/mL	LOW	0.1500 - 5.0000	E03
AB16340	Microcystins ADDA	1.585 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F03
AB16341	Microcystins ADDA	1.480 Abs	0.0851 ng/mL	LOW	0.1500 - 5.0000	G03
AB16341	Microcystins ADDA	1.688 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H03
AB16357	Microcystins ADDA	1.623 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB16357	Microcystins ADDA	1.625 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04
AB16358	Microcystins ADDA	1.859 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
AB16358	Microcystins ADDA	1.614 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D04
AB16341LD	Microcystins ADDA	1.528 Abs	0.0447 ng/mL	LOW	0.1500 - 5.0000	E04
AB16341LD	Microcystins ADDA	1.662 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F04
20140512LB	Microcystins ADDA	1.797 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
20140512LB	Microcystins ADDA	1.791 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB16709	Microcystins ADDA	1.611 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB16709	Microcystins ADDA	1.671 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B05
AB16710	Microcystins ADDA	1.597 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB16710	Microcystins ADDA	1.566 Abs	0.0065 ng/mL	LOW	0.1500 - 5.0000	D05
AB16711	Microcystins ADDA	1.520 Abs	0.0517 ng/mL	LOW	0.1500 - 5.0000	E05
AB16711	Microcystins ADDA	1.605 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F05
AB16712	Microcystins ADDA	1.631 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
AB16712	Microcystins ADDA	1.682 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H05

Notes

Betty Ratchup

5/15/14

Signature