



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB16346	Fairfax SRA	6/9/2014	6/11/2014	< 0.150
AB16347	Paynetown SRA	6/9/2014	6/11/2014	< 0.150
AB16353	Fairfax SRA (Field Duplicate)	6/9/2014	6/11/2014	< 0.150
AB16354	Field Blank	6/9/2014	6/11/2014	< 0.150
AB17060	Starve Hollow SRA	6/9/2014	6/11/2014	< 0.150
AB17061	Deam Lake SRA	6/9/2014	6/11/2014	< 0.150
AB17062	Hardy Lake SRA	6/9/2014	6/11/2014	0.4620
AB17062LD	Hardy Lake SRA (Lab Duplicate)	6/9/2014	6/11/2014	0.3157
20140609LB	Lab Blank	6/9/2014	6/11/2014	< 0.150
AB17063	Raccoon Lake SRA	6/10/2014	6/11/2014	< 0.150
AB17064	Whitewater Memorial SP	6/10/2014	6/11/2014	< 0.150
AB17065	Quakertown SRA	6/10/2014	6/11/2014	< 0.150
AB17066	Mounds SRA	6/10/2014	6/11/2014	< 0.150



Assay Calibration Report

Assay Information

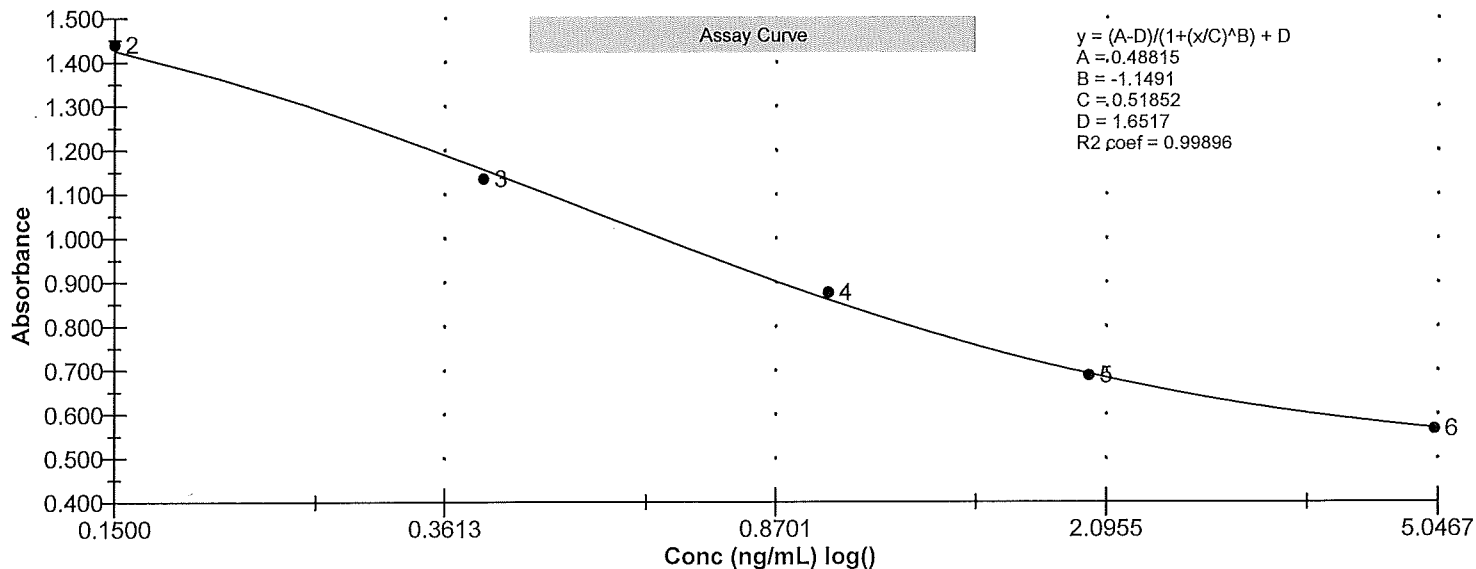
Assay Name: Microcystins ADDA Units: ng/mL
 Assay Mode: 4-Parameter Logistic # of decimals: 4
 Normal: 0.1500 - 5.0000 Assay Description:

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
6/11/2014 12:15:28 PM			
Std1	1.582 Abs	0.0472 ng/mL	A01
Std1	1.715 Abs	< 0.0000 ng/mL	B01
Std2	1.411 Abs	0.1610 ng/mL	C01
Std2	1.469 Abs	0.1200 ng/mL	D01
Std3	1.104 Abs	0.4681 ng/mL	E01
Std3	1.165 Abs	0.3891 ng/mL	F01
Std4	0.909 Abs	0.8500 ng/mL	G01
Std4	0.845 Abs	1.0545 ng/mL	H01
Std5	0.712 Abs	1.8075 ng/mL	A02
Std5	0.663 Abs	2.3425 ng/mL	B02
Std6	0.605 Abs	3.4950 ng/mL	C02
Std6	0.527 Abs	> 5.0000 ng/mL	D02
6/11/2014 12:15:28 PM			
Normal Control	0.981 Abs	0.6780 ng/mL	F02
Normal Control	0.990 Abs	0.6595 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.648	0.094	5.70				
Std2	1.440	0.041	2.85	0.140	0.029	20.63	-6.67
Std3	1.135	0.043	3.80	0.429	0.056	13.03	7.25
Std4	0.877	0.045	5.16	0.952	0.145	15.19	-4.80
Std5	0.688	0.035	5.04	2.075	0.378	18.23	3.75
Std6	0.566	0.055	9.74				-100.00
Normal Control	0.985	0.006	0.65	0.669	0.013	1.96	






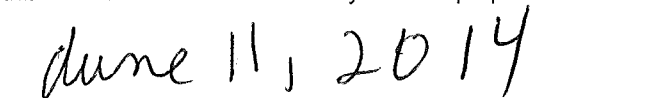
Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/11/2014 12:15:28 PM						
Std1	Microcystins ADDA	1.582 Abs	0.0472 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.715 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.411 Abs	0.1610 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.469 Abs	0.1200 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.104 Abs	0.4681 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.165 Abs	0.3891 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.909 Abs	0.8500 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.845 Abs	1.0545 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.712 Abs	1.8075 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.663 Abs	2.3425 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.605 Abs	3.4950 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.527 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.990 Abs	0.6595 ng/mL			E02
Normal Control	Microcystins ADDA	0.981 Abs	0.6780 ng/mL			F02
AB16346	Microcystins ADDA	1.794 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB16346	Microcystins ADDA	1.808 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H02
AB16347	Microcystins ADDA	1.728 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB16347	Microcystins ADDA	1.793 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB16353	Microcystins ADDA	1.665 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB16353	Microcystins ADDA	1.776 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D03
AB16354	Microcystins ADDA	1.740 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB16354	Microcystins ADDA	1.705 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F03
AB17060	Microcystins ADDA	1.783 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB17060	Microcystins ADDA	1.593 Abs	0.0402 ng/mL	LOW	0.1500 - 5.0000	H03
AB17061	Microcystins ADDA	1.687 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB17061	Microcystins ADDA	1.716 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04
AB17062	Microcystins ADDA	1.117 Abs	0.4502 ng/mL		0.1500 - 5.0000	C04
AB17062	Microcystins ADDA	1.100 Abs	0.4737 ng/mL		0.1500 - 5.0000	D04
AB17062LD	Microcystins ADDA	1.223 Abs	0.3243 ng/mL		0.1500 - 5.0000	E04
AB17062LD	Microcystins ADDA	1.240 Abs	0.3070 ng/mL		0.1500 - 5.0000	F04
20140609LB	Microcystins ADDA	1.771 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
20140609LB	Microcystins ADDA	1.743 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB17063	Microcystins ADDA	1.612 Abs	0.0282 ng/mL	LOW	0.1500 - 5.0000	A05
AB17063	Microcystins ADDA	1.728 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B05
AB17064	Microcystins ADDA	1.718 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB17064	Microcystins ADDA	1.609 Abs	0.0302 ng/mL	LOW	0.1500 - 5.0000	D05
AB17065	Microcystins ADDA	1.467 Abs	0.1215 ng/mL	LOW	0.1500 - 5.0000	E05
AB17065	Microcystins ADDA	1.521 Abs	0.0857 ng/mL	LOW	0.1500 - 5.0000	F05
AB17066	Microcystins ADDA	1.634 Abs	0.0137 ng/mL	LOW	0.1500 - 5.0000	G05
AB17066	Microcystins ADDA	1.629 Abs	0.0171 ng/mL	LOW	0.1500 - 5.0000	H05

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


June 11, 2014
Secondary Analyst Signature

Signature