



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB17650	Field Duplicate (Mississinewa Miami)	6/30/2014	7/1/2014	< 0.150
AB17651	Field Blank	6/30/2014	7/1/2014	< 0.150
AB17652	Mississinewa Miami SRA	6/30/2014	7/1/2014	< 0.150
AB17653	Chain O'Lakes SP (Sand Lake)	6/30/2014	7/1/2014	0.218
AB17652LD	Lab Duplicate (Mississinewa Miami)	6/30/2014	7/1/2014	0.208
20140630LB	Lab Blank	6/30/2014	7/1/2014	< 0.150



Assay Calibration Report

Assay Information

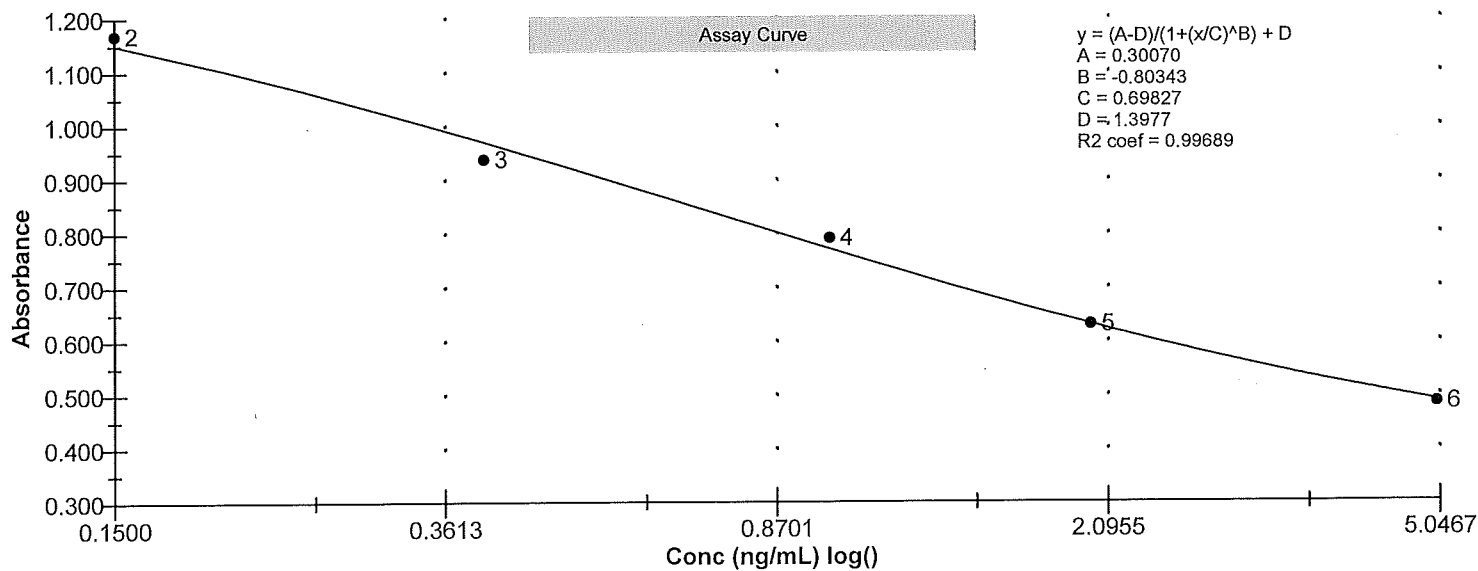
Assay Name: Microcystins ADDA
 Assay Mode: 4-Parameter Logistic
 Normal: 0.1500 - 5.0000
 Units: ng/mL
 # of decimals: 4
 Assay Description:

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
7/1/2014 11:28:51 AM			
Std1	1.410 Abs	< 0.0000 ng/mL	A01
Std1	1.380 Abs	0.0042 ng/mL	B01
Std2	1.183 Abs	0.1202 ng/mL	C01
Std2	1.156 Abs	0.1448 ng/mL	D01
Std3	0.924 Abs	0.4960 ng/mL	E01
Std3	0.951 Abs	0.4375 ng/mL	F01
Std4	0.789 Abs	0.9190 ng/mL	G01
Std4	0.794 Abs	0.8980 ng/mL	H01
Std5	0.649 Abs	1.8100 ng/mL	A02
Std5	0.610 Abs	2.2350 ng/mL	B02
Std6	0.460 Abs	> 5.0000 ng/mL	C02
Std6	0.508 Abs	4.2800 ng/mL	D02
7/1/2014 11:28:51 AM			
Normal Control	0.799 Abs	0.8775 ng/mL	F02
Normal Control	0.819 Abs	0.8010 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.395	0.021	1.52				
Std2	1.169	0.019	1.63	0.133	0.017	13.13	-11.33
Std3	0.938	0.019	2.04	0.467	0.041	8.86	16.75
Std4	0.791	0.004	0.45	0.909	0.015	1.63	-9.10
Std5	0.630	0.028	4.38	2.023	0.301	14.86	1.15
Std6	0.484	0.034	7.01				-100.00
Normal Control	0.809	0.014	1.75	0.839	0.054	6.45	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/1/2014 11:28:51 AM						
Std1	Microcystins ADDA	1.410 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.380 Abs	0.0042 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.183 Abs	0.1202 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.156 Abs	0.1448 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.924 Abs	0.4960 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.951 Abs	0.4375 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.789 Abs	0.9190 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.794 Abs	0.8980 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.649 Abs	1.8100 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.610 Abs	2.2350 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.460 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.508 Abs	4.2800 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.819 Abs	0.8010 ng/mL			E02
Normal Control	Microcystins ADDA	0.799 Abs	0.8775 ng/mL			F02
AB17650	Microcystins ADDA	1.205 Abs	0.1020 ng/mL	LOW	0.1500 - 5.0000	G02
AB17650	Microcystins ADDA	1.197 Abs	0.1085 ng/mL	LOW	0.1500 - 5.0000	H02
AB17651	Microcystins ADDA	1.336 Abs	0.0209 ng/mL	LOW	0.1500 - 5.0000	A03
AB17651	Microcystins ADDA	1.378 Abs	0.0048 ng/mL	LOW	0.1500 - 5.0000	B03
AB17652	Microcystins ADDA	1.182 Abs	0.1211 ng/mL	LOW	0.1500 - 5.0000	C03
AB17652	Microcystins ADDA	1.147 Abs	0.1535 ng/mL		0.1500 - 5.0000	D03
AB17653	Microcystins ADDA	1.061 Abs	0.2535 ng/mL		0.1500 - 5.0000	E03
AB17653	Microcystins ADDA	1.119 Abs	0.1826 ng/mL		0.1500 - 5.0000	F03
AB17652LD	Microcystins ADDA	1.093 Abs	0.2125 ng/mL		0.1500 - 5.0000	G03
AB17652LD	Microcystins ADDA	1.101 Abs	0.2030 ng/mL		0.1500 - 5.0000	H03
20140630LB	Microcystins ADDA	1.331 Abs	0.0231 ng/mL	LOW	0.1500 - 5.0000	A04
20140630LB	Microcystins ADDA	1.366 Abs	0.0088 ng/mL	LOW	0.1500 - 5.0000	B04
Check Sample A	Microcystins ADDA	1.435 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
Check Sample A	Microcystins ADDA	1.394 Abs	0.0006 ng/mL	LOW	0.1500 - 5.0000	D04
Check Sample B	Microcystins ADDA	0.619 Abs	2.1270 ng/mL		0.1500 - 5.0000	E04
Check Sample B	Microcystins ADDA	0.624 Abs	2.0695 ng/mL		0.1500 - 5.0000	F04
Check Sample C	Microcystins ADDA	0.414 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
Check Sample C	Microcystins ADDA	0.477 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB17056	Microcystins ADDA	1.257 Abs	0.0642 ng/mL	LOW	0.1500 - 5.0000	A05
AB17056	Microcystins ADDA	1.245 Abs	0.0723 ng/mL	LOW	0.1500 - 5.0000	B05
AB17057	Microcystins ADDA	1.196 Abs	0.1092 ng/mL	LOW	0.1500 - 5.0000	C05
AB17057	Microcystins ADDA	1.156 Abs	0.1448 ng/mL	LOW	0.1500 - 5.0000	D05

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

Betty R. R. R.

Laboratory Analyst Signature

7/1/14

Secondary Analyst Signature

Signature