



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB23022	Raccoon Lake SRA	8/31/2015	9/2/2015	< 0.150
AB23023	Fairfax SRA	8/31/2015	9/2/2015	< 0.150
AB23024	Hardy Lake SRA	8/31/2015	9/2/2015	0.35
AB23025	Mounds SRA	8/31/2015	9/2/2015	< 0.150
AB23026	Quakertown SRA	8/31/2015	9/2/2015	< 0.150
AB23027	Whitewater Memorial SP	8/31/2015	9/2/2015	0.21
AB23028	Potato Creek SP	9/1/2015	9/2/2015	0.23
AB23029	Chain O Lakes SP	9/1/2015	9/2/2015	0.26
AB23030	Lost Bridge West SRA	9/1/2015	9/2/2015	0.79
AB23031	Raccoon Lake (Field Duplicate)	8/31/2015	9/2/2015	< 0.150
AB23032	Field Blank	8/31/2015	9/2/2015	< 0.150
AB23025LD	Mounds (Lab Duplicate)	8/31/2015	9/2/2015	0.88
20150831LB	Lab Blank	8/31/2015	9/2/2015	< 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

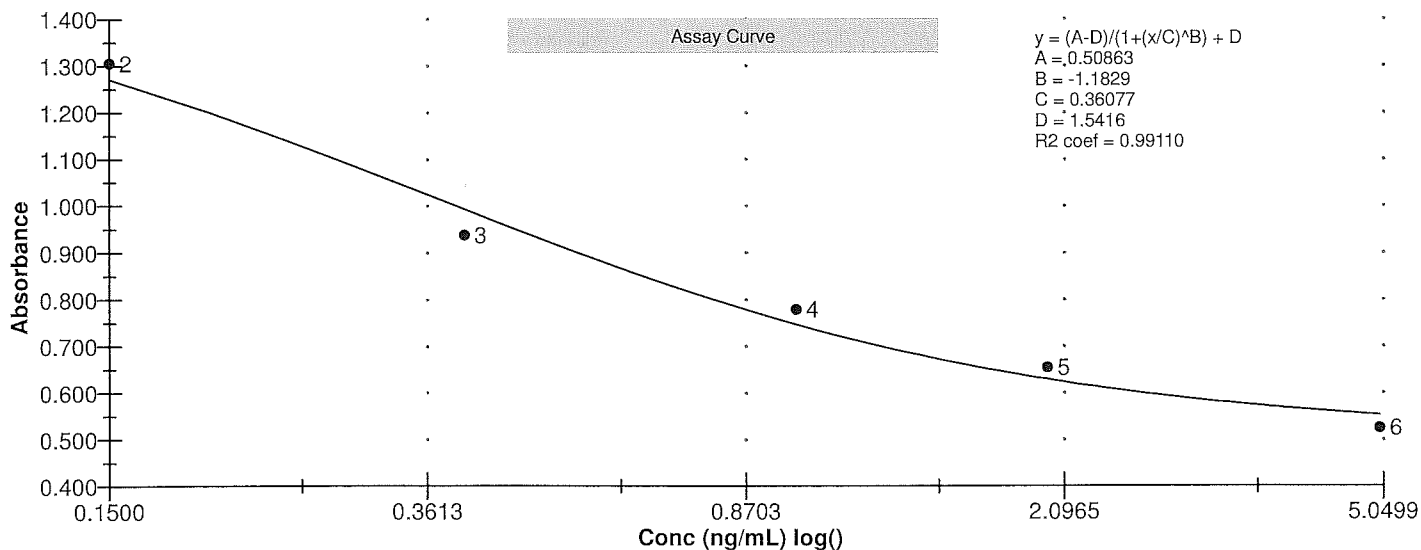
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
9/2/2015 11:12:01 AM			
Std1	1.544 Abs	< 0.0000 ng/mL	A01
Std1	1.523 Abs	0.0122 ng/mL	B01
Std2	1.288 Abs	0.1396 ng/mL	C01
Std2	1.325 Abs	0.1175 ng/mL	D01
Std3	0.952 Abs	0.4590 ng/mL	E01
Std3	0.923 Abs	0.5060 ng/mL	F01
Std4	0.757 Abs	0.9540 ng/mL	G01
Std4	0.801 Abs	0.7915 ng/mL	H01
Std5	0.642 Abs	1.8125 ng/mL	A02
Std5	0.665 Abs	1.5500 ng/mL	B02
Std6	0.527 Abs	> 5.0000 ng/mL	C02
Std6	0.524 Abs	> 5.0000 ng/mL	D02
9/2/2015 11:12:01 AM			
Normal Control	0.904 Abs	0.5405 ng/mL	F02
Normal Control	0.876 Abs	0.5961 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.533	0.015	0.97				
Std2	1.306	0.026	2.00	0.129	0.016	12.16	-14.00
Std3	0.938	0.021	2.19	0.482	0.033	6.89	20.50
Std4	0.779	0.031	3.99	0.873	0.115	13.17	-12.70
Std5	0.654	0.016	2.49	1.681	0.186	11.04	-15.95
Std6	0.525	0.002	0.40				-100.00
Normal Control	0.890	0.020	2.22	0.568	0.039	6.92	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
9/2/2015 11:12:01 AM						
Std1	Microcystins ADDA	1.544 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.523 Abs	0.0122 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.288 Abs	0.1396 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.325 Abs	0.1175 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.952 Abs	0.4590 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.923 Abs	0.5060 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.757 Abs	0.9540 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.801 Abs	0.7915 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.642 Abs	1.8125 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.665 Abs	1.5500 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.527 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.524 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.876 Abs	0.5961 ng/mL			E02
Normal Control	Microcystins ADDA	0.904 Abs	0.5405 ng/mL			F02
AB23022	Microcystins ADDA	1.373 Abs	0.0905 ng/mL	LOW	0.1500 - 5.0000	G02
AB23022	Microcystins ADDA	1.279 Abs	0.1452 ng/mL	LOW	0.1500 - 5.0000	H02
AB23023	Microcystins ADDA	1.440 Abs	0.0554 ng/mL	LOW	0.1500 - 5.0000	A03
AB23023	Microcystins ADDA	1.455 Abs	0.0478 ng/mL	LOW	0.1500 - 5.0000	B03
AB23024	Microcystins ADDA	1.031 Abs	0.3538 ng/mL		0.1500 - 5.0000	C03
AB23024	Microcystins ADDA	1.035 Abs	0.3492 ng/mL		0.1500 - 5.0000	D03
AB23025	Microcystins ADDA	1.307 Abs	0.1281 ng/mL	LOW	0.1500 - 5.0000	E03
AB23025	Microcystins ADDA	1.257 Abs	0.1593 ng/mL		0.1500 - 5.0000	F03
AB23026	Microcystins ADDA	1.446 Abs	0.0523 ng/mL	LOW	0.1500 - 5.0000	G03
AB23026	Microcystins ADDA	1.423 Abs	0.0641 ng/mL	LOW	0.1500 - 5.0000	H03
AB23027	Microcystins ADDA	1.203 Abs	0.1965 ng/mL		0.1500 - 5.0000	A04
AB23027	Microcystins ADDA	1.162 Abs	0.2280 ng/mL		0.1500 - 5.0000	B04
AB23028	Microcystins ADDA	1.225 Abs	0.1808 ng/mL		0.1500 - 5.0000	C04
AB23028	Microcystins ADDA	1.102 Abs	0.2800 ng/mL		0.1500 - 5.0000	D04
AB23029	Microcystins ADDA	1.177 Abs	0.2161 ng/mL		0.1500 - 5.0000	E04
AB23029	Microcystins ADDA	1.077 Abs	0.3041 ng/mL		0.1500 - 5.0000	F04
AB23030	Microcystins ADDA	0.847 Abs	0.6625 ng/mL		0.1500 - 5.0000	G04
AB23030	Microcystins ADDA	0.768 Abs	0.9090 ng/mL		0.1500 - 5.0000	H04
AB23031	Microcystins ADDA	1.300 Abs	0.1323 ng/mL	LOW	0.1500 - 5.0000	A05
AB23031	Microcystins ADDA	1.357 Abs	0.0993 ng/mL	LOW	0.1500 - 5.0000	B05
AB23032	Microcystins ADDA	1.630 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB23032	Microcystins ADDA	1.619 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D05
AB23025LD	Microcystins ADDA	0.800 Abs	0.7950 ng/mL		0.1500 - 5.0000	E05
AB23025LD	Microcystins ADDA	0.755 Abs	0.9625 ng/mL		0.1500 - 5.0000	F05
20150831LB	Microcystins ADDA	1.551 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
20150831LB	Microcystins ADDA	1.562 Abs	< 0.0000 ng/mL	Out(LR)	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

Date