Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB21783	Raccoon Lake SRA	5/26/2015	5/27/2015	< 0.150
AB21781	Raccoon Lake (Field Duplicate)	5/26/2015	5/27/2015	< 0.150
AB21782	Field Blank	5/26/2015	5/27/2015	< 0.150
AB21783LD	Raccoon Lake (Lab Duplicate)	5/26/2015	5/27/2015	< 0.150
20150526LB	Lab Blank	5/26/2015	5/27/2015	< 0.150

Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000

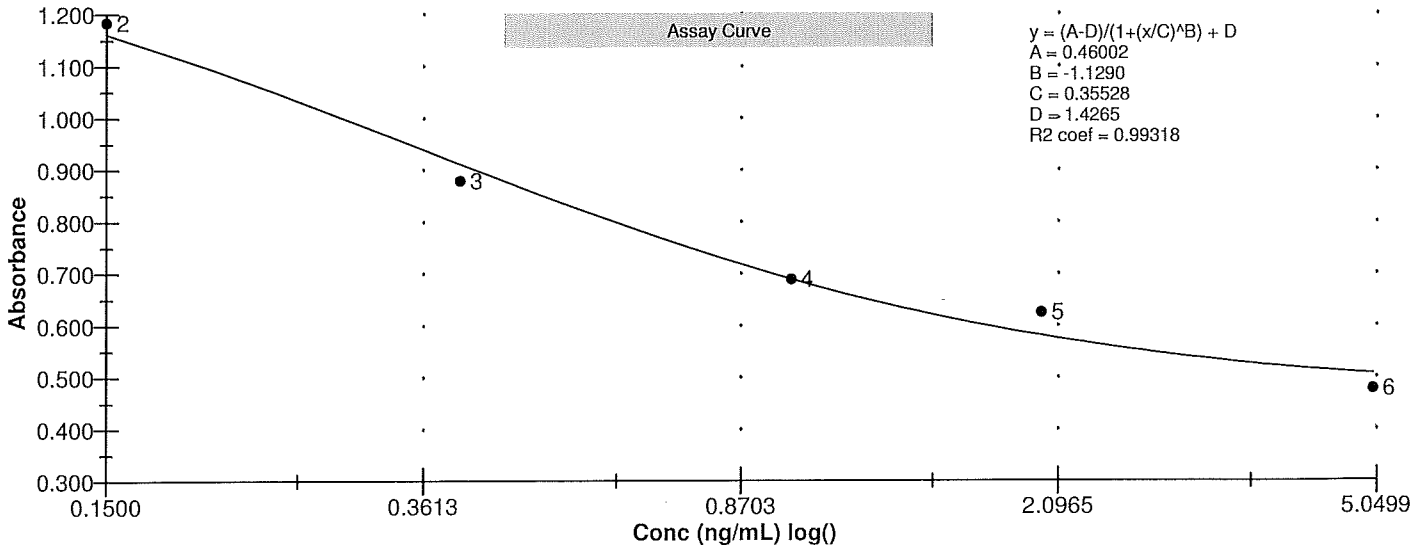
Units: ng/mL
# of decimals: 4
Assay Description:

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
5/27/2015 10:23:27 AM			
Std1	1.433 Abs	< 0.0000 ng/mL	A01
Std1	1.410 Abs	0.0098 ng/mL	B01
Std2	1.188 Abs	0.1322 ng/mL	C01
Std2	1.181 Abs	0.1368 ng/mL	D01
Std3	0.865 Abs	0.4745 ng/mL	E01
Std3	0.893 Abs	0.4275 ng/mL	F01
Std4	0.679 Abs	1.0545 ng/mL	G01
Std4	0.699 Abs	0.9525 ng/mL	H01
Std5	0.620 Abs	1.4895 ng/mL	A02
Std5	0.629 Abs	1.4050 ng/mL	B02
Std6	0.467 Abs	> 5.0000 ng/mL	C02
Std6	0.487 Abs	> 5.0000 ng/mL	D02
5/27/2015 10:23:27 AM			
Normal Control	0.797 Abs	0.6180 ng/mL	F02
Normal Control	0.823 Abs	0.5575 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.421	0.016	1.14				
Std2	1.184	0.005	0.42	0.134	0.003	2.42	-10.67
Std3	0.879	0.020	2.25	0.451	0.033	7.37	12.75
Std4	0.689	0.014	2.05	1.003	0.072	7.19	0.30
Std5	0.625	0.006	1.02	1.447	0.060	4.13	-27.65
Std6	0.477	0.014	2.96				-100.00
Normal Control	0.810	0.018	2.27	0.588	0.043	7.28	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/27/2015 10:23:27 AM						
Std1	Microcystins ADDA	1.433 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.410 Abs	0.0098 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.188 Abs	0.1322 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.181 Abs	0.1368 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.865 Abs	0.4745 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.893 Abs	0.4275 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.679 Abs	1.0545 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.699 Abs	0.9525 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.620 Abs	1.4895 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.629 Abs	1.4050 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.467 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.487 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.823 Abs	0.5575 ng/mL			E02
Normal Control	Microcystins ADDA	0.797 Abs	0.6180 ng/mL			F02
AB21783	Microcystins ADDA	1.336 Abs	0.0476 ng/mL	LOW	0.1500 - 5.0000	G02
AB21783	Microcystins ADDA	1.337 Abs	0.0470 ng/mL	LOW	0.1500 - 5.0000	H02
AB21781	Microcystins ADDA	1.375 Abs	0.0278 ng/mL	LOW	0.1500 - 5.0000	A03
AB21781	Microcystins ADDA	1.334 Abs	0.0486 ng/mL	LOW	0.1500 - 5.0000	B03
AB21782	Microcystins ADDA	1.499 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB21782	Microcystins ADDA	1.500 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D03
AB21783LD	Microcystins ADDA	1.571 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB21783LD	Microcystins ADDA	1.535 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F03
20150526LB	Microcystins ADDA	1.402 Abs	0.0140 ng/mL	LOW	0.1500 - 5.0000	G03
20150526LB	Microcystins ADDA	1.421 Abs	0.0037 ng/mL	LOW	0.1500 - 5.0000	H03

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

5/27/15
Date