Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB25975	Potato Creek SP	6/20/2016	6/21/2016	1.5595
AB25976	Chain O'Lakes SP	6/20/2016	6/21/2016	< 0.150
AB25976LD	Chain O'Lakes SP (Lab Duplicate)	6/20/2016	6/21/2016	< 0.150
AB25973	Potato Creek SP (Field Duplicate)	6/20/2016	6/21/2016	2.2240
AB25974	Field Blank	6/20/2016	6/21/2016	< 0.150
20160621LB	Lab Blank	6/20/2016	6/21/2016	< 0.150

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			6/21/2016 2:15:02 PM			
Std1	Microcystins ADDA	3.033 Abs	< 0.0000 ng/mL	Out(A)	0.0000	A01
Std1	Microcystins ADDA	3.019 Abs	0.0036 ng/mL	Out(A)	0.0000	B01
Std2	Microcystins ADDA	2.591 Abs	0.2047 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.851 Abs	0.0690 ng/mL		0.1500	D01
Std3	Microcystins ADDA	2.141 Abs	0.5775 ng/mL		0.4000	E01
Std3	Microcystins ADDA	2.359 Abs	0.3690 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.869 Abs	0.9565 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.989 Abs	0.7685 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.355 Abs	2.5935 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.492 Abs	1.9420 ng/mL		2.0000	B02
Std6	Microcystins ADDA	1.093 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	1.134 Abs	4.5350 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	2.110 Abs	0.6130 ng/mL			E02
Normal Control	Microcystins ADDA	2.156 Abs	0.5610 ng/mL			F02
AB25975	Microcystins ADDA	1.550 Abs	1.7310 ng/mL		0.1500 - 5.0000	G02
AB25975	Microcystins ADDA	1.658 Abs [1.6040] {4.8 C	1.4085 ng/mL [1.5595] {14.5 C		0.1500 - 5.0000	H02
AB25976	Microcystins ADDA	2.802 Abs	0.0913 ng/mL	LOW	0.1500 - 5.0000	A03
AB25976	Microcystins ADDA	2.922 Abs [2.8620] {3.0 C	0.0391 ng/mL [0.0641] {56.6 C	Low [Low]	0.1500 - 5.0000	B03
AB25976LD	Microcystins ADDA	2.837 Abs	0.0752 ng/mL	LOW	0.1500 - 5.0000	C03
AB25976LD	Microcystins ADDA	2.934 Abs [2.8855] {2.4 C	0.0343 ng/mL [0.0540] {52.8 C	Low [Low]	0.1500 - 5.0000	D03
AB25973	Microcystins ADDA	1.475 Abs	2.0100 ng/mL		0.1500 - 5.0000	E03
AB25973	Microcystins ADDA	1.377 Abs [1.4260] {4.9 C	2.4700 ng/mL [2.2240] {14.5 C		0.1500 - 5.0000	F03
AB25974	Microcystins ADDA	2.889 Abs	0.0526 ng/mL	LOW	0.1500 - 5.0000	G03
AB25974	Microcystins ADDA	2.856 Abs [2.8725] {0.8 C	0.0667 ng/mL [0.0596] {16.7 C	Low [Low]	0.1500 - 5.0000	H03
20160620LB	Microcystins ADDA	2.883 Abs	0.0551 ng/mL	LOW	0.1500 - 5.0000	A04
20160620LB	Microcystins ADDA	2.889 Abs [2.8860] {0.1 C	0.0526 ng/mL [0.0538] {3.3 CV	Low [Low]	0.1500 - 5.0000	B04

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

David Jordan

Laboratory Analyst Signature

6/21/2016

Date

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
6/21/2016 2:15:02 PM			
Std1	3.033 Abs	< 0.0000 ng/mL	A01
Std1	3.019 Abs	0.0036 ng/mL	B01
Std2	2.591 Abs	0.2047 ng/mL	C01
Std2	2.851 Abs	0.0690 ng/mL	D01
Std3	2.141 Abs	0.5775 ng/mL	E01
Std3	2.359 Abs	0.3690 ng/mL	F01
Std4	1.869 Abs	0.9565 ng/mL	G01
Std4	1.989 Abs	0.7685 ng/mL	H01
Std5	1.355 Abs	2.5935 ng/mL	A02
Std5	1.492 Abs	1.9420 ng/mL	B02
Std6	1.093 Abs	> 5.0000 ng/mL	C02
Std6	1.134 Abs	4.5350 ng/mL	D02
6/21/2016 2:15:02 PM			
Normal Control	2.156 Abs	0.5610 ng/mL	F02
Normal Control	2.110 Abs	0.6130 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	3.026	0.010	0.33				
Std2	2.721	0.184	6.76	0.137	0.096	70.12	-8.67
Std3	2.250	0.154	6.85	0.473	0.147	31.15	18.25
Std4	1.929	0.085	4.40	0.862	0.133	15.41	-13.80
Std5	1.424	0.097	6.81	2.268	0.461	20.31	13.40
Std6	1.113	0.029	2.60				-100.00
Normal Control	2.133	0.033	1.52	0.587	0.037	6.26