



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29429	Potato Creek SP	6/5/2017	6/7/2017	0.341
AB29427	Potato Creek (Field Duplicate)	6/5/2017	6/7/2017	0.490
AB29428	Field Blank	6/5/2017	6/7/2017	< 0.30
AB29429LD	Potato Creek (Lab Duplicate)	6/5/2017	6/7/2017	0.483
20170605LB	Lab Blank	6/5/2017	6/7/2017	< 0.30



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/7/2017 12:15:26 PM						
Std1	Microcystins ADDA	2.402 Abs	0.0203 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.474 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.134 Abs	0.1588 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.143 Abs	0.1539 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.673 Abs	0.5012 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.947 Abs	0.2735 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.221 Abs	1.3000 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.360 Abs	0.9505 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.065 Abs	1.9735 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.137 Abs	1.6080 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.791 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.877 Abs	4.1650 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.443 Abs	0.9355 ng/mL			E02
Normal Control	Microcystins ADDA	1.899 Abs	0.3753 ng/mL			F02
AB29429	Microcystins ADDA	2.074 Abs	0.2377 ng/mL		0.1500 - 5.0000	G02
AB29429	Microcystins ADDA	1.805 Abs [1.9395] {9.8 C	0.4611 ng/mL [0.3412] {45.2 C'		0.1500 - 5.0000	H02
AB29427	Microcystins ADDA	1.733 Abs	0.5345 ng/mL		0.1500 - 5.0000	A03
AB29427	Microcystins ADDA	1.818 Abs [1.7755] {3.4 C	0.4486 ng/mL [0.4902] {12.4 C'		0.1500 - 5.0000	B03
AB29428	Microcystins ADDA	2.382 Abs	0.0299 ng/mL	LOW	0.1500 - 5.0000	C03
AB29428	Microcystins ADDA	2.280 Abs [2.3310] {3.1 C	0.0983 ng/mL [0.0649] {75.5 C'	Low [Low]	0.1500 - 5.0000	D03
AB29429LD	Microcystins ADDA	1.746 Abs	0.5207 ng/mL		0.1500 - 5.0000	E03
AB29429LD	Microcystins ADDA	1.819 Abs [1.7825] {2.9 C	0.4476 ng/mL [0.4832] {10.7 C'		0.1500 - 5.0000	F03
20170605LB	Microcystins ADDA	2.277 Abs	0.1002 ng/mL	LOW	0.1500 - 5.0000	G03
20170605LB	Microcystins ADDA	2.301 Abs [2.2890] {0.7 C	0.0846 ng/mL [0.0925] {11.9 C'	Low [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.

David Jordan

Laboratory Analyst Signature

6/7/2017

Date



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
6/7/2017 12:15:26 PM			
Std1	2.402 Abs	0.0147 ng/mL	A01
Std1	2.474 Abs	< 0.0000 ng/mL	B01
Std2	2.134 Abs	0.1955 ng/mL	C01
Std2	2.143 Abs	0.1893 ng/mL	D01
Std3	1.947 Abs	0.3350 ng/mL	F01
Std4	1.360 Abs	1.1005 ng/mL	H01
Std5	1.065 Abs	2.1345 ng/mL	A02
Std5	1.137 Abs	1.7790 ng/mL	B02
Std6	0.791 Abs	> 5.0000 ng/mL	C02
Std6	0.877 Abs	3.9900 ng/mL	D02
6/7/2017 12:15:26 PM			
Normal Control	1.899 Abs	0.3753 ng/mL	F02
Normal Control	1.443 Abs	0.9355 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.438	0.051	2.09				
Std2	2.138	0.006	0.30	0.192	0.004	2.28	28.00
Std3	1.947			0.335			-16.25
Std4	1.360			1.100			10.00
Std5	1.101	0.051	4.62	1.957	0.251	12.85	-2.15
Std6	0.834	0.061	7.29				-100.00
Normal Control	1.671	0.322	19.30	0.655	0.396	60.44	

