Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33756	Lost Bridge West SRA	7/30/2018	7/31/2018	< 0.300
AB33757	Potato CreeK SP	7/30/2018	7/31/2018	< 0.300
AB33758	Chain O'Lakes SP	7/30/2018	7/31/2018	0.3450
AB33759	Potato Creek (Field Duplicate)	7/30/2018	7/31/2018	< 0.300
AB33760	Field Blank	7/30/2018	7/31/2018	< 0.300
AB33761	Dog Park Lake	7/30/2018	7/31/2018	< 0.300
AB33756LD	Lost Bridge West (Lab Duplicate)	7/30/2018	7/31/2018	0.3302
20180731LB	Lab Blank	7/31/2018	7/31/2018	< 0.300

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			7/31/2018 4:58:06 PM			
Std1	Microcystins ADDA	2.251 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.230 Abs	0.0039 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.982 Abs	0.1157 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.935 Abs	0.1435 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.573 Abs	0.4468 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.519 Abs	0.5101 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.261 Abs	0.9200 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.348 Abs	0.7578 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.872 Abs	2.2584 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.870 Abs	2.2699 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.623 Abs	4.6614 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.602 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.152 Abs	0.9555 ng/mL			E02
Normal Control	Microcystins ADDA	1.305 Abs	0.6937 ng/mL			F02
AB33756	Microcystins ADDA	1.759 Abs	0.2559 ng/mL		0.1500 - 5.0000	G02
AB33756	Microcystins ADDA	1.882 Abs [1.8205] {4.8 (	0.1803 ng/mL [0.2167] {24.5 C		0.1500 - 5.0000	H02
AB33757	Microcystins ADDA	1.893 Abs	0.1741 ng/mL		0.1500 - 5.0000	A03
AB33757	Microcystins ADDA	1.829 Abs [1.8610] {2.4 (	0.2115 ng/mL [0.1925] {13.7 C'		0.1500 - 5.0000	B03
AB33758	Microcystins ADDA	1.653 Abs	0.3314 ng/mL		0.1500 - 5.0000	C03
AB33758	Microcystins ADDA	1.618 Abs [1.6355] {1.5 (	0.3589 ng/mL [0.3450] {5.6 CV		0.1500 - 5.0000	D03
AB33759	Microcystins ADDA	1.773 Abs	0.2467 ng/mL		0.1500 - 5.0000	E03
AB33759	Microcystins ADDA	1.791 Abs [1.7820] {0.7 (	0.2351 ng/mL [0.2409] {3.4 CV		0.1500 - 5.0000	F03
AB33760	Microcystins ADDA	1.979 Abs	0.1278 ng/mL	**LOW**	0.1500 - 5.0000	G03
AB33760	Microcystins ADDA	1.997 Abs [1.9880] {0.6 (	0.1186 ng/mL [0.1231] {5.3 CV	Low [Low]	0.1500 - 5.0000	H03
AB33761	Microcystins ADDA	2.015 Abs	0.1095 ng/mL	**LOW**	0.1500 - 5.0000	A04
AB33761	Microcystins ADDA	1.920 Abs [1.9675] {3.4 (	0.1591 ng/mL [0.1337] {26.1 C	[Low]	0.1500 - 5.0000	B04
AB33756LD	Microcystins ADDA	1.694 Abs	0.3009 ng/mL		0.1500 - 5.0000	C04
AB33756LD	Microcystins ADDA	1.615 Abs [1.6545] {3.4 (	0.3614 ng/mL [0.3302] {12.9 C		0.1500 - 5.0000	D04
20180731LB	Microcystins ADDA	2.013 Abs	0.1105 ng/mL	**LOW**	0.1500 - 5.0000	E04
20180731LB	Microcystins ADDA	1.820 Abs [1.9165] {7.1 (	0.2170 ng/mL [0.1610] {46.0 C		0.1500 - 5.0000	F04

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

7/31/2018

Date

Assay Calibration Report

Assay Information

Assay Name:	Microcystins ADDA	Units:	ng/mL
Assay Mode:	4-Parameter Logistic Weight by:None	# 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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/31/2018 4:58:06 PM			
Std1	2.251 Abs	< 0.0000 ng/mL	A01
Std1	2.230 Abs	0.0086 ng/mL	B01
Std2	1.982 Abs	0.1262 ng/mL	C01
Std2	1.935 Abs	0.1510 ng/mL	D01
Std3	1.573 Abs	0.3966 ng/mL	E01
Std3	1.519 Abs	0.4455 ng/mL	F01
Std5	0.872 Abs	1.8850 ng/mL	A02
Std5	0.870 Abs	1.8959 ng/mL	B02
Std6	0.623 Abs	> 5.0000 ng/mL	C02
Std6	0.602 Abs	> 5.0000 ng/mL	D02
7/31/2018 4:58:06 PM			
Normal Control	1.305 Abs	0.6937 ng/mL	F02
Normal Control	1.152 Abs	0.9555 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.240	0.015	0.66				
Std2	1.958	0.033	1.70	0.139	0.018	12.65	-7.33
Std3	1.546	0.038	2.47	0.421	0.035	8.21	5.25
Std5	0.871	0.001	0.16	1.890	0.008	0.41	-5.50
Std6	0.613	0.015	2.42				-100.00
Normal Control	1.228	0.108	8.81	0.825	0.185	22.45	

Assay Curve