



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB34027	Field Blank	8/27/2018	8/28/2018	< 0.300
AB34024	Potato Creek SP	8/27/2018	8/28/2018	< 0.300
AB34025	Lost Bridge West SRA	8/27/2018	8/28/2018	< 0.300
AB34025LD	Lost Bridge West (Lab Duplicate)	8/27/2018	8/28/2018	< 0.300
AB34026	Potato Creek (Field Duplicate)	8/27/2018	8/28/2018	< 0.300
AB34023	Mississinewa Lake Miami SRA	8/27/2018	8/28/2018	< 0.300
AB34028	Dog Park Lake	8/27/2018	8/28/2018	< 0.300
20180828LB	Lab Blank	8/28/2018	8/28/2018	< 0.300



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/28/2018 7:56:39 PM						
Std1	Microcystins ADDA	1.928 Abs	0.0360 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.979 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.861 Abs	0.0881 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.758 Abs	0.1661 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.408 Abs	0.5015 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.517 Abs	0.3783 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.153 Abs	0.9325 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.134 Abs	0.9781 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.935 Abs	1.7149 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.851 Abs	2.3258 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.659 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.757 Abs	3.6893 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.284 Abs	0.7630 ng/mL			E02
Normal Control	Microcystins ADDA	1.523 Abs	0.4127 ng/mL			F02
AB34027	Microcystins ADDA	1.955 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB34027	Microcystins ADDA	2.021 Abs [1.9880] {2.3 CV}	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H02
AB34024	Microcystins ADDA	1.851 Abs	0.0873 ng/mL	LOW	0.1500 - 5.0000	A03
AB34024	Microcystins ADDA	1.848 Abs [1.8495] {0.1 CV}	0.0900 ng/mL [0.0887] {2.2 CV}	Low [Low]	0.1500 - 5.0000	B03
AB34025	Microcystins ADDA	1.657 Abs	0.2670 ng/mL		0.1500 - 5.0000	C03
AB34025	Microcystins ADDA	1.653 Abs [1.6550] {0.2 CV}	0.2710 ng/mL [0.2690] {1.1 CV}		0.1500 - 5.0000	D03
AB34025LD	Microcystins ADDA	1.680 Abs	0.2442 ng/mL		0.1500 - 5.0000	E03
AB34025LD	Microcystins ADDA	1.695 Abs [1.6875] {0.6 CV}	0.2297 ng/mL [0.2369] {4.3 CV}		0.1500 - 5.0000	F03
AB34026	Microcystins ADDA	1.818 Abs	0.1167 ng/mL	LOW	0.1500 - 5.0000	G03
AB34026	Microcystins ADDA	1.785 Abs [1.8015] {1.3 CV}	0.1462 ng/mL [0.1314] {15.9 C}	Low [Low]	0.1500 - 5.0000	H03
AB34023	Microcystins ADDA	1.915 Abs	0.0286 ng/mL	LOW	0.1500 - 5.0000	A04
AB34023	Microcystins ADDA	1.813 Abs [1.8640] {3.9 CV}	0.1211 ng/mL [0.0758] {87.4 C}	Low [Low]	0.1500 - 5.0000	B04
AB34028	Microcystins ADDA	1.851 Abs	0.0873 ng/mL	LOW	0.1500 - 5.0000	C04
AB34028	Microcystins ADDA	1.816 Abs [1.8335] {1.3 CV}	0.1184 ng/mL [0.1029] {21.4 C}	Low [Low]	0.1500 - 5.0000	D04
20180828LB	Microcystins ADDA	1.837 Abs	0.0998 ng/mL	LOW	0.1500 - 5.0000	E04
20180828LB	Microcystins ADDA	1.894 Abs [1.8655] {2.2 CV}	0.0485 ng/mL [0.0744] {48.9 C}	Low [Low]	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

8/28/2018

Date



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

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.928			0.015			
Std2	1.809	0.073	4.02	0.124	0.065	52.37	-17.33
Std3	1.517			0.420			5.00
Std4	1.153			1.043			4.30
Std5	0.935			1.824			-8.80
Std6	0.659						-100.00
Normal Control	1.404	0.169	12.04	0.588	0.248	42.14	

