



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB29407	Field Blank	5/23/2017	5/24/2017	< 0.30
AB29406	Pokagon (Field Duplicate)	5/23/2017	5/24/2017	< 0.30
AB29408	Mississinewa Lake Miami SRA	5/22/2017	5/24/2017	< 0.30
AB29409	Potato Creek SP	5/22/2017	5/24/2017	1.26
AB29410	Pokagon SP	5/23/2017	5/24/2017	< 0.30
AB29411	Southern Basin Inn's Beach	5/23/2017	5/24/2017	< 0.30
AB29412	Chain O'Lakes SP	5/23/2017	5/24/2017	< 0.30
AB29413	Lost Bridge West SRA	5/23/2017	5/24/2017	< 0.30
AB29413LD	Lost Bridge (Lab Duplicate)	5/23/2017	5/24/2017	< 0.30
20170522LB	Lab Blank	5/22/2017	5/24/2017	< 0.30



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

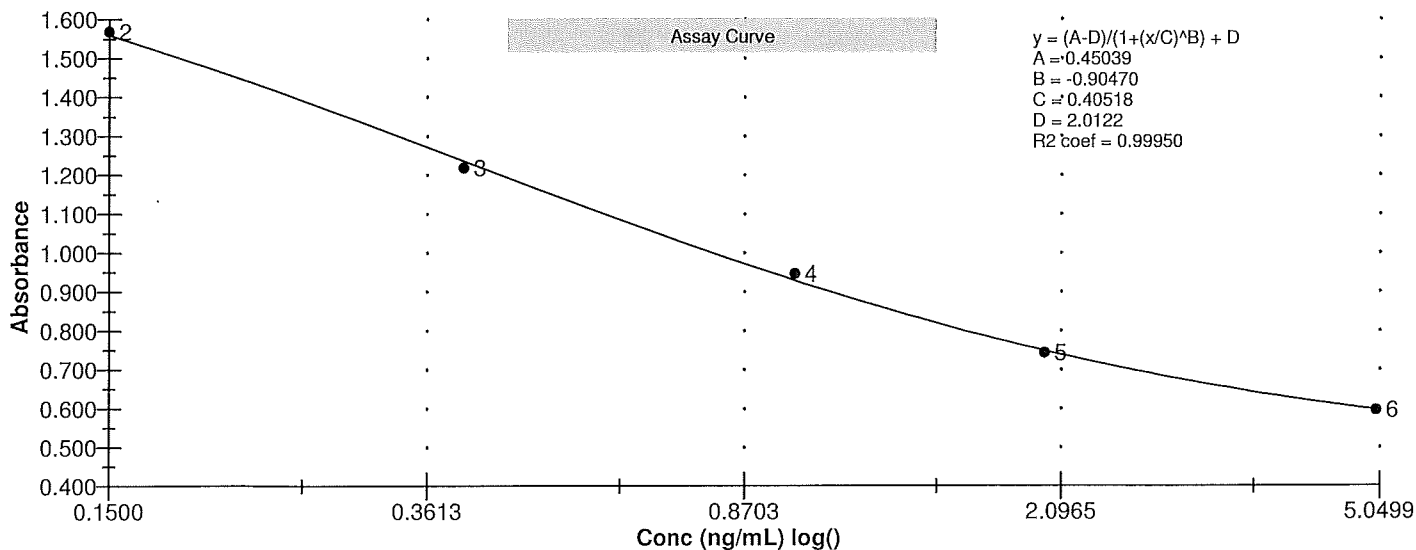
Curve valid interval: 7 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
5/24/2017 2:43:57 PM			
Std1	2.011 Abs	0.0002 ng/mL	A01
Std2	1.569 Abs	0.1456 ng/mL	C01
Std2	1.570 Abs	0.1451 ng/mL	D01
Std3	1.202 Abs	0.4401 ng/mL	E01
Std3	1.234 Abs	0.4020 ng/mL	F01
Std4	0.911 Abs	1.0620 ng/mL	G01
Std4	0.980 Abs	0.8470 ng/mL	H01
Std5	0.738 Abs	2.1000 ng/mL	A02
Std5	0.749 Abs	1.9950 ng/mL	B02
Std6	0.591 Abs	> 5.0000 ng/mL	C02
Std6	0.598 Abs	4.9250 ng/mL	D02
5/24/2017 2:43:57 PM			
Normal Control	1.017 Abs	0.7550 ng/mL	F02
Normal Control	1.028 Abs	0.7301 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.011			0.000			
Std2	1.569	0.001	0.05	0.145	0.000	0.24	-3.33
Std3	1.218	0.023	1.86	0.421	0.027	6.40	5.25
Std4	0.946	0.049	5.16	0.955	0.152	15.93	-4.50
Std5	0.743	0.008	1.05	2.047	0.074	3.63	2.35
Std6	0.595	0.005	0.83				-100.00
Normal Control	1.023	0.008	0.76	0.743	0.018	2.37	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/24/2017 2:43:57 PM						
Std1	Microcystins ADDA	2.011 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.004 Abs	0.0006 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.569 Abs	0.1455 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.570 Abs	0.1450 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.202 Abs	0.4405 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.234 Abs	0.4022 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.911 Abs	1.0620 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.980 Abs	0.8470 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.738 Abs	2.0995 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.749 Abs	1.9950 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.591 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.598 Abs	4.9250 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.028 Abs	0.7301 ng/mL			E02
Normal Control	Microcystins ADDA	1.017 Abs	0.7550 ng/mL			F02
20170522LB	Microcystins ADDA	2.007 Abs	0.0008 ng/mL	LOW	0.1500 - 5.0000	G02
20170522LB	Microcystins ADDA	2.141 Abs [2.0740] {4.6 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H02
AB29407	Microcystins ADDA	1.886 Abs	0.0276 ng/mL	LOW	0.1500 - 5.0000	A03
AB29407	Microcystins ADDA	1.946 Abs [1.9160] {2.2 C	0.0129 ng/mL [0.0200] {51.3 C	Low [Low]	0.1500 - 5.0000	B03
AB29406	Microcystins ADDA	1.927 Abs	0.0173 ng/mL	LOW	0.1500 - 5.0000	C03
AB29406	Microcystins ADDA	1.935 Abs [1.9310] {0.3 C	0.0154 ng/mL [0.0163] {8.2 CV	Low [Low]	0.1500 - 5.0000	D03
AB29408	Microcystins ADDA	1.865 Abs	0.0332 ng/mL	LOW	0.1500 - 5.0000	E03
AB29408	Microcystins ADDA	2.034 Abs [1.9495] {6.1 C	< 0.0000 ng/mL [0.0121]	Out(LR) [Low]	0.1500 - 5.0000	F03
AB29409	Microcystins ADDA	0.932 Abs	0.9895 ng/mL		0.1500 - 5.0000	G03
AB29409	Microcystins ADDA	0.791 Abs [0.8615] {11.6	1.6625 ng/mL [1.2640] {35.9 C		0.1500 - 5.0000	H03
AB29410	Microcystins ADDA	1.919 Abs	0.0192 ng/mL	LOW	0.1500 - 5.0000	A04
AB29410	Microcystins ADDA	1.969 Abs [1.9440] {1.8 C	0.0079 ng/mL [0.0133] {59.0 C	Low [Low]	0.1500 - 5.0000	B04
AB29411	Microcystins ADDA	1.910 Abs	0.0214 ng/mL	LOW	0.1500 - 5.0000	C04
AB29411	Microcystins ADDA	2.067 Abs [1.9885] {5.6 C	< 0.0000 ng/mL [0.0040]	Out(LR) [Low]	0.1500 - 5.0000	D04
AB29412	Microcystins ADDA	2.001 Abs	0.0018 ng/mL	LOW	0.1500 - 5.0000	E04
AB29412	Microcystins ADDA	2.111 Abs [2.0560] {3.8 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
AB29413	Microcystins ADDA	2.015 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB29413	Microcystins ADDA	2.025 Abs [2.0200] {0.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H04
AB29413LD	Microcystins ADDA	1.932 Abs	0.0161 ng/mL	LOW	0.1500 - 5.0000	A05
AB29413LD	Microcystins ADDA	1.983 Abs [1.9575] {1.8 C	0.0051 ng/mL [0.0104] {73.4 C	Low [Low]	0.1500 - 5.0000	B05
Check A	Microcystins ADDA	1.995 Abs	0.0028 ng/mL	LOW	0.1500 - 5.0000	C05
Check A	Microcystins ADDA	1.934 Abs [1.9645] {2.2 C	0.0157 ng/mL [0.0088] {98.6 C	Low [Low]	0.1500 - 5.0000	D05
Check B	Microcystins ADDA	0.745 Abs	2.0330 ng/mL		0.1500 - 5.0000	E05
Check B	Microcystins ADDA	0.757 Abs [0.7510] {1.1 C	1.9250 ng/mL [1.9780] {3.9 CV		0.1500 - 5.0000	F05
Check C	Microcystins ADDA	0.504 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
Check C	Microcystins ADDA	0.511 Abs [0.5075] {1.0 C	> 5.0000 ng/mL [> 5.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H05

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

Date