



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB32871	Starve Hollow SRA	5/14/2018	5/15/2018	< 0.30
AB32872	Fairfax SRA	5/14/2018	5/15/2018	< 0.30
AB32873	Paynetown SRA	5/14/2018	5/15/2018	< 0.30
AB32874	Deam Lake SRA	5/14/2018	5/15/2018	< 0.30
AB32875	Hardy Lake SRA	5/14/2018	5/15/2018	< 0.30
AB32869	Deam Lake (Field Duplicate)	5/14/2018	5/15/2018	< 0.30
AB32870	Field Blank	5/14/2018	5/15/2018	< 0.30
AB32876	Quakertown SRA	5/14/2018	5/15/2018	< 0.30
AB32877	Raccoon Lake SRA	5/14/2018	5/15/2018	< 0.30
AB32878	Mounds SRA	5/14/2018	5/15/2018	< 0.30
AB32879	Whitewater Memorial SP	5/14/2018	5/15/2018	< 0.30
AB32880	Quakertown (Field Duplicate)	5/14/2018	5/15/2018	< 0.30
AB32881	Field Blank	5/14/2018	5/15/2018	< 0.30
AB32878LD	Mounds (Lab Duplicate)	5/14/2018	5/15/2018	< 0.30
20180514LB	Lab Blank	5/14/2018	5/15/2018	< 0.30



Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA Units: ng/mL
Assay Mode: 4-Parameter Logistic Weight # of decimals: 4
Normal: By 5.0000 Assay Description:

Controls:

Normal Control

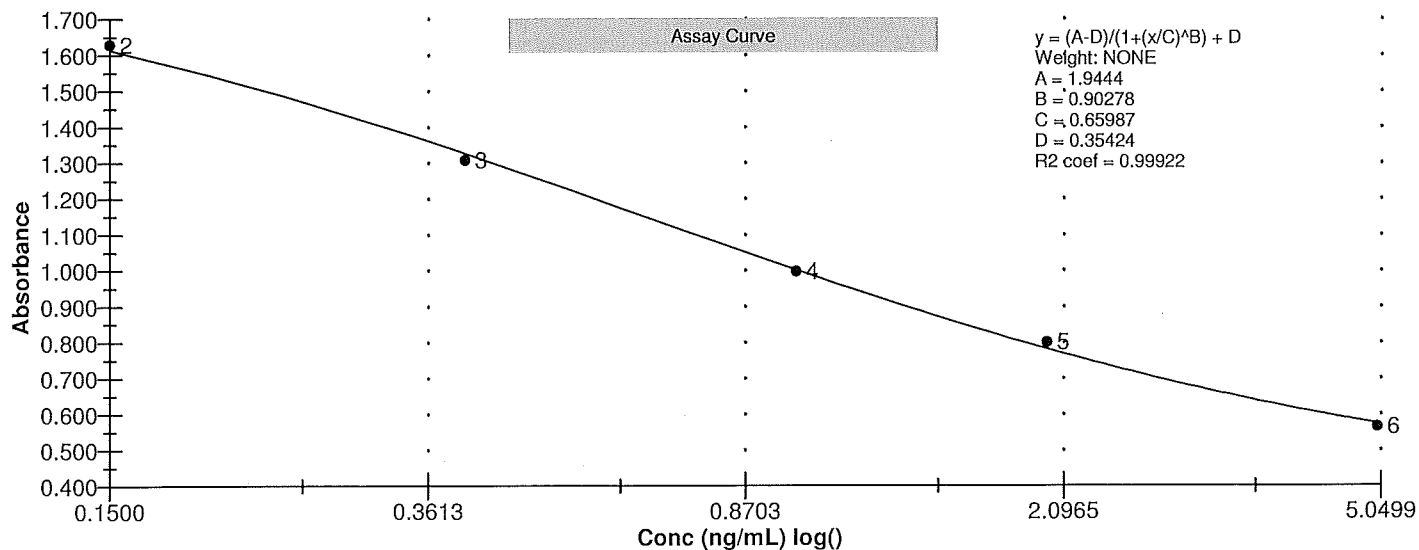
Standards:

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
5/15/2018 2:58:52 PM			
Std1	1.962 Abs	< 0.0000 ng/mL	A01
Std1	1.919 Abs	0.0069 ng/mL	B01
Std2	1.672 Abs	0.1151 ng/mL	C01
Std2	1.586 Abs	0.1681 ng/mL	D01
Std3	1.329 Abs	0.3965 ng/mL	E01
Std3	1.286 Abs	0.4492 ng/mL	F01
Std4	1.018 Abs	0.9547 ng/mL	G01
Std4	0.978 Abs	1.0717 ng/mL	H01
Std5	0.760 Abs	2.1617 ng/mL	A02
Std5	0.841 Abs	1.6336 ng/mL	B02
Std6	0.565 Abs	> 5.0000 ng/mL	C02
Std6	0.565 Abs	> 5.0000 ng/mL	D02
5/15/2018 2:58:52 PM			
Normal Control	1.134 Abs	0.6887 ng/mL	F02
Normal Control	1.151 Abs	0.6568 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.941	0.030	1.57				
Std2	1.629	0.061	3.73	0.142	0.037	26.47	-5.33
Std3	1.308	0.030	2.33	0.423	0.037	8.81	5.75
Std4	0.998	0.028	2.83	1.013	0.083	8.17	1.30
Std5	0.801	0.057	7.15	1.898	0.373	19.68	-5.10
Std6	0.565	0.000	0.00				-100.00
Normal Control	1.142	0.012	1.05	0.673	0.023	3.35	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
5/15/2018 2:58:52 PM						
Std1	Microcystins ADDA	1.962 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.919 Abs	0.0069 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.672 Abs	0.1151 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.586 Abs	0.1681 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.329 Abs	0.3965 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.286 Abs	0.4492 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.018 Abs	0.9547 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.978 Abs	1.0717 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.760 Abs	2.1617 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.841 Abs	1.6336 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.565 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.565 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.151 Abs	0.6568 ng/mL			E02
Normal Control	Microcystins ADDA	1.134 Abs	0.6887 ng/mL			F02
AB32871	Microcystins ADDA	1.722 Abs	0.0882 ng/mL	LOW	0.1500 - 5.0000	G02
AB32871	Microcystins ADDA	1.843 Abs [1.7825] {4.8 C	0.0337 ng/mL [0.0592] {63.2 C	Low [Low]	0.1500 - 5.0000	H02
AB32872	Microcystins ADDA	1.777 Abs	0.0617 ng/mL	LOW	0.1500 - 5.0000	A03
AB32872	Microcystins ADDA	1.851 Abs [1.8140] {2.9 C	0.0306 ng/mL [0.0455] {47.7 C	Low [Low]	0.1500 - 5.0000	B03
AB32873	Microcystins ADDA	1.777 Abs	0.0617 ng/mL	LOW	0.1500 - 5.0000	C03
AB32873	Microcystins ADDA	1.792 Abs [1.7845] {0.6 C	0.0549 ng/mL [0.0583] {8.2 CV	Low [Low]	0.1500 - 5.0000	D03
AB32874	Microcystins ADDA	1.812 Abs	0.0463 ng/mL	LOW	0.1500 - 5.0000	E03
AB32874	Microcystins ADDA	1.900 Abs [1.8560] {3.4 C	0.0129 ng/mL [0.0286] {79.8 C	Low [Low]	0.1500 - 5.0000	F03
AB32875	Microcystins ADDA	1.800 Abs	0.0514 ng/mL	LOW	0.1500 - 5.0000	G03
AB32875	Microcystins ADDA	1.840 Abs [1.8200] {1.6 C	0.0348 ng/mL [0.0429] {27.2 C	Low [Low]	0.1500 - 5.0000	H03
AB32869	Microcystins ADDA	1.768 Abs	0.0658 ng/mL	LOW	0.1500 - 5.0000	A04
AB32869	Microcystins ADDA	1.804 Abs [1.7860] {1.4 C	0.0497 ng/mL [0.0576] {19.7 C	Low [Low]	0.1500 - 5.0000	B04
AB32870	Microcystins ADDA	1.795 Abs	0.0536 ng/mL	LOW	0.1500 - 5.0000	C04
AB32870	Microcystins ADDA	1.836 Abs [1.8155] {1.6 C	0.0364 ng/mL [0.0448] {27.0 C	Low [Low]	0.1500 - 5.0000	D04
AB32876	Microcystins ADDA	1.797 Abs	0.0527 ng/mL	LOW	0.1500 - 5.0000	E04
AB32876	Microcystins ADDA	1.843 Abs [1.8200] {1.8 C	0.0337 ng/mL [0.0429] {31.1 C	Low [Low]	0.1500 - 5.0000	F04
AB32877	Microcystins ADDA	1.793 Abs	0.0545 ng/mL	LOW	0.1500 - 5.0000	G04
AB32877	Microcystins ADDA	1.842 Abs [1.8175] {1.9 C	0.0341 ng/mL [0.0440] {32.6 C	Low [Low]	0.1500 - 5.0000	H04
AB32878	Microcystins ADDA	1.824 Abs	0.0413 ng/mL	LOW	0.1500 - 5.0000	A05
AB32878	Microcystins ADDA	1.797 Abs [1.8105] {1.1 C	0.0527 ng/mL [0.0469] {17.2 C	Low [Low]	0.1500 - 5.0000	B05
AB32879	Microcystins ADDA	1.732 Abs	0.0832 ng/mL	LOW	0.1500 - 5.0000	C05
AB32879	Microcystins ADDA	1.767 Abs [1.7495] {1.4 C	0.0663 ng/mL [0.0746] {16.0 C	Low [Low]	0.1500 - 5.0000	D05
AB32880	Microcystins ADDA	1.734 Abs	0.0822 ng/mL	LOW	0.1500 - 5.0000	E05
AB32880	Microcystins ADDA	1.789 Abs [1.7615] {2.2 C	0.0563 ng/mL [0.0689] {26.4 C	Low [Low]	0.1500 - 5.0000	F05
AB32881	Microcystins ADDA	1.845 Abs	0.0329 ng/mL	LOW	0.1500 - 5.0000	G05
AB32881	Microcystins ADDA	1.754 Abs [1.7995] {3.6 C	0.0724 ng/mL [0.0517] {53.0 C	Low [Low]	0.1500 - 5.0000	H05
AB32878LD	Microcystins ADDA	1.754 Abs	0.0724 ng/mL	LOW	0.1500 - 5.0000	A06
AB32878LD	Microcystins ADDA	1.804 Abs [1.7790] {2.0 C	0.0497 ng/mL [0.0608] {26.3 C	Low [Low]	0.1500 - 5.0000	B06
20180514LB	Microcystins ADDA	1.859 Abs	0.0275 ng/mL	LOW	0.1500 - 5.0000	C06
20180514LB	Microcystins ADDA	1.866 Abs [1.8625] {0.3 C	0.0249 ng/mL [0.0262] {7.0 CV	Low [Low]	0.1500 - 5.0000	D06

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

5/16/2018

Date