



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26345	Fairfax SRA	7/25/2016	7/27/2016	< 0.15
AB26345LD	Fairfax (Lab Duplicate)	7/25/2016	7/27/2016	< 0.15
AB26346	Paynetown SRA	7/25/2016	7/27/2016	< 0.15
AB26347	Starve Hollow SRA	7/25/2016	7/27/2016	< 0.15
AB26348	Hardy Lake (Field Duplicate)	7/25/2016	7/27/2016	0.24
AB26349	Field Blank	7/25/2016	7/27/2016	< 0.15
AB26350	Deam Lake SRA	7/25/2016	7/27/2016	< 0.15
AB26351	Hardy Lake SRA	7/25/2016	7/27/2016	0.21
AB26352	Whitewater Memorial SP	7/26/2016	7/27/2016	< 0.15
AB26353	Quakertown SRA	7/26/2016	7/27/2016	0.30
AB26354	Mounds SRA	7/26/2016	7/27/2016	1.04
AB26355	Raccoon Lake SRA	7/26/2016	7/27/2016	< 0.15
20160725LB	Lab Blank	7/25/2016	7/27/2016	< 0.15



Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000
Units: ng/mL
of decimals: 4
Assay Description:

Controls:
Normal Control

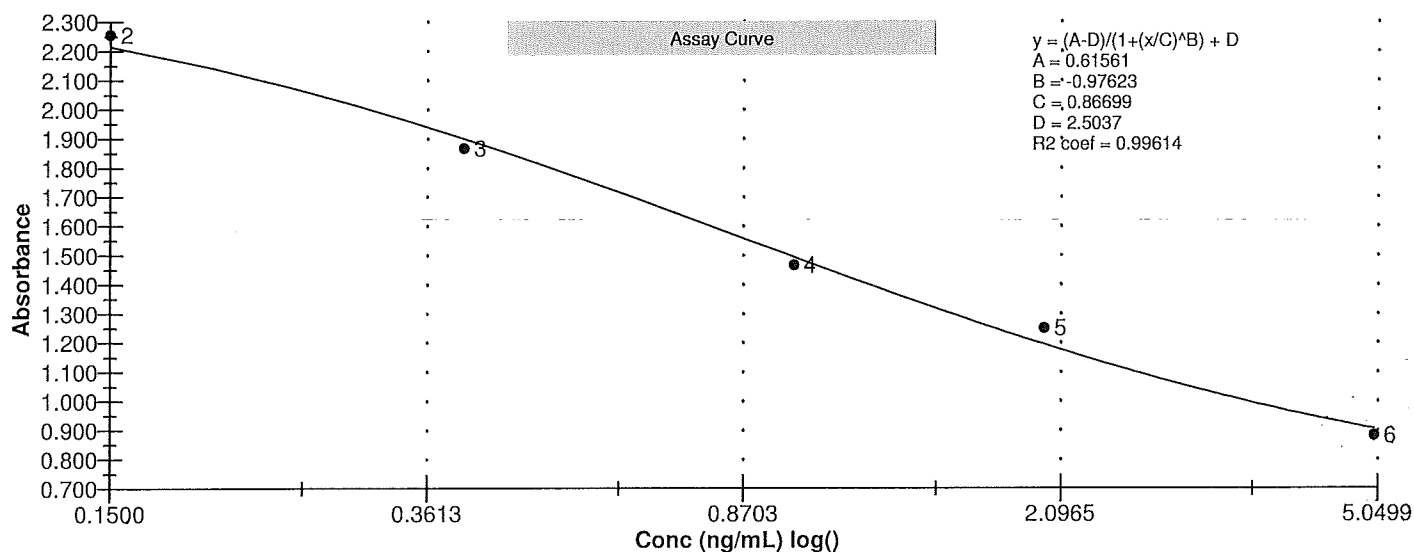
Standards:

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
7/27/2016 3:26:50 PM			
Std1	2.491 Abs	0.0052 ng/mL	A01
Std2	2.221 Abs	0.1463 ng/mL	C01
Std2	2.291 Abs	0.1046 ng/mL	D01
Std3	1.879 Abs	0.4213 ng/mL	E01
Std3	1.855 Abs	0.4466 ng/mL	F01
Std4	1.438 Abs	1.1305 ng/mL	G01
Std4	1.494 Abs	1.0000 ng/mL	H01
Std5	1.250 Abs	1.7420 ng/mL	B02
Std6	0.882 Abs	> 5.0000 ng/mL	D02
7/27/2016 3:26:50 PM			
Normal Control	1.761 Abs	0.5562 ng/mL	F02
Normal Control	1.745 Abs	0.5767 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.491			0.005			
Std2	2.256	0.049	2.19	0.125	0.029	23.50	-16.67
Std3	1.867	0.017	0.91	0.434	0.018	4.12	8.50
Std4	1.466	0.040	2.70	1.065	0.092	8.66	6.50
Std5	1.250			1.742			-12.90
Std6	0.882						-100.00
Normal Control	1.753	0.011	0.65	0.566	0.014	2.56	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/27/2016 3:26:50 PM						
Std1	Microcystins ADDA	2.491 Abs	0.0300 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.661 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.221 Abs	0.1550 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.291 Abs	0.1175 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.879 Abs	0.4116 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.855 Abs	0.4357 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.438 Abs	1.1090 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.494 Abs	0.9780 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.221 Abs	1.8690 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.250 Abs	1.7350 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.920 Abs	4.9550 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.882 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.745 Abs	0.5767 ng/mL			E02
Normal Control	Microcystins ADDA	1.761 Abs	0.5562 ng/mL			F02
AB26345	Microcystins ADDA	2.592 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB26345	Microcystins ADDA	2.562 Abs [2.5770] {0.8 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H02
AB26345LD	Microcystins ADDA	2.564 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB26345LD	Microcystins ADDA	2.545 Abs [2.5545] {0.5 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B03
AB26346	Microcystins ADDA	2.559 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C03
AB26346	Microcystins ADDA	2.594 Abs [2.5765] {1.0 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D03
AB26347	Microcystins ADDA	2.628 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB26347	Microcystins ADDA	2.576 Abs [2.6020] {1.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F03
AB26348	Microcystins ADDA	2.055 Abs	0.2627 ng/mL		0.1500 - 5.0000	G03
AB26348	Microcystins ADDA	2.105 Abs [2.0800] {1.7 C	0.2247 ng/mL [0.2433] {11.0 C'		0.1500 - 5.0000	H03
AB26349	Microcystins ADDA	2.552 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB26349	Microcystins ADDA	2.576 Abs [2.5640] {0.7 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B04
AB26350	Microcystins ADDA	2.613 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
AB26350	Microcystins ADDA	2.500 Abs [2.5565] {3.1 C	0.0015 ng/mL [< 0.0000]	Low [Out(LR)]	0.1500 - 5.0000	D04
AB26351	Microcystins ADDA	2.110 Abs	0.2210 ng/mL		0.1500 - 5.0000	E04
AB26351	Microcystins ADDA	2.146 Abs [2.1280] {1.2 C	0.1955 ng/mL [0.2081] {8.7 CV		0.1500 - 5.0000	F04
AB26352	Microcystins ADDA	2.542 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB26352	Microcystins ADDA	2.614 Abs [2.5780] {2.0 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H04
AB26353	Microcystins ADDA	1.940 Abs	0.3614 ng/mL		0.1500 - 5.0000	A05
AB26353	Microcystins ADDA	2.090 Abs [2.0150] {5.3 C	0.2358 ng/mL [0.2950] {29.7 C		0.1500 - 5.0000	B05
AB26354	Microcystins ADDA	1.553 Abs	0.8795 ng/mL		0.1500 - 5.0000	C05
AB26354	Microcystins ADDA	1.398 Abs [1.4755] {7.4 C	1.2355 ng/mL [1.0410] {23.8 C		0.1500 - 5.0000	D05
AB26355	Microcystins ADDA	2.389 Abs	0.0524 ng/mL	LOW	0.1500 - 5.0000	E05
AB26355	Microcystins ADDA	2.468 Abs [2.4285] {2.3 C	0.0152 ng/mL [0.0333] {77.8 C	Low [Low]	0.1500 - 5.0000	F05
20160725LB	Microcystins ADDA	2.577 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
20160725LB	Microcystins ADDA	2.630 Abs [2.6035] {1.4 C	< 0.0000 ng/mL [< 0.0000]	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