



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26286	Raccoon Lake (Field Duplicate)	7/12/2016	7/13/2016	< 0.15
AB26287	Field Blank	7/12/2016	7/13/2016	< 0.15
AB26288	Hardy Lake SRA	7/11/2016	7/13/2016	0.35
AB26289	Mounds SRA	7/11/2016	7/13/2016	0.51
AB26290	Quakertown SRA	7/11/2016	7/13/2016	0.28
AB26291	Raccoon Lake SRA	7/12/2016	7/13/2016	< 0.15
AB26291LD	Raccoon Lake (Lab Duplicate)	7/12/2016	7/13/2016	< 0.15
20160711LB	Lab Blank	7/11/2016	7/13/2016	< 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

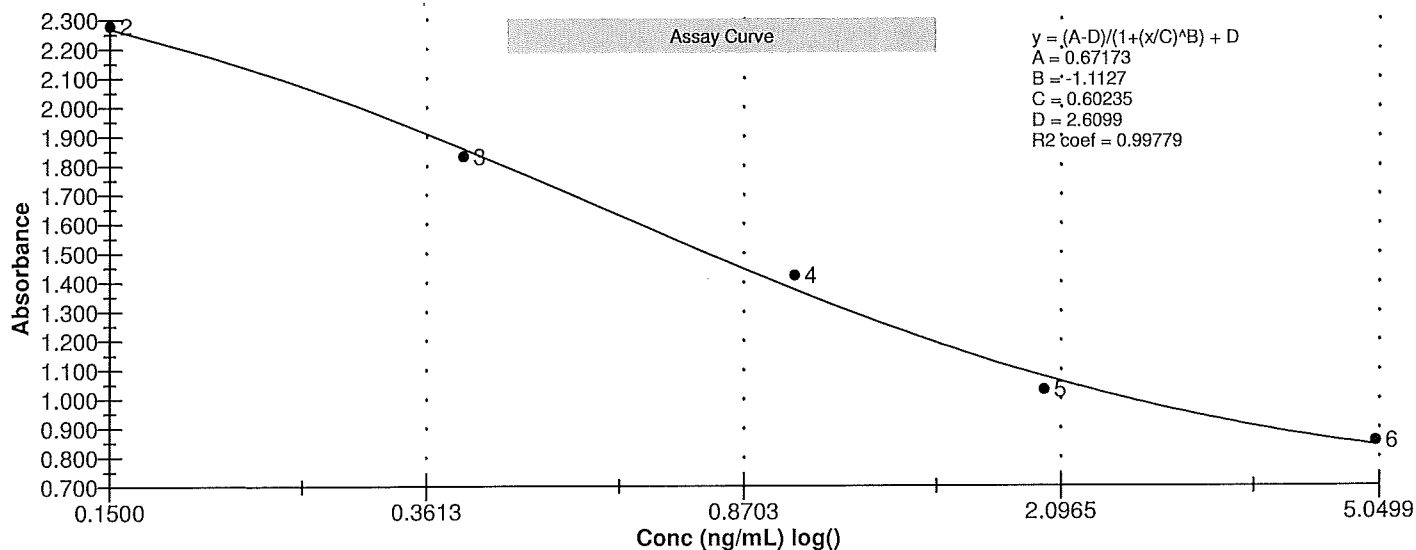
Curve valid interval: 7 days 0 hours

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

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
7/13/2016 11:40:35 AM			
Std1	2.609 Abs	0.0006 ng/mL	A01
Std1	2.608 Abs	0.0012 ng/mL	B01
Std2	2.301 Abs	0.1351 ng/mL	C01
Std2	2.257 Abs	0.1561 ng/mL	D01
Std3	1.796 Abs	0.4505 ng/mL	E01
Std3	1.865 Abs	0.3943 ng/mL	F01
Std4	1.409 Abs	0.9340 ng/mL	G01
Std4	1.436 Abs	0.8860 ng/mL	H01
Std5	1.036 Abs	2.2445 ng/mL	A02
Std5	1.026 Abs	2.3145 ng/mL	B02
Std6	0.825 Abs	> 5.0000 ng/mL	C02
Std6	0.884 Abs	3.9600 ng/mL	D02
7/13/2016 11:40:35 AM			
Normal Control	1.475 Abs	0.8216 ng/mL	F02
Normal Control	1.668 Abs	0.5727 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.609	0.001	0.03	0.001	0.000	47.14	
Std2	2.279	0.031	1.37	0.146	0.015	10.20	-2.67
Std3	1.831	0.049	2.67	0.422	0.040	9.41	5.50
Std4	1.423	0.019	1.34	0.910	0.034	3.73	-9.00
Std5	1.031	0.007	0.69	2.280	0.049	2.17	14.00
Std6	0.854	0.042	4.88				-100.00
Normal Control	1.572	0.136	8.68	0.697	0.176	25.25	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/13/2016 11:40:35 AM						
Std1	Microcystins ADDA	2.609 Abs	0.0006 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.608 Abs	0.0012 ng/mL		0.0000	B01
Std2	Microcystins ADDA	2.301 Abs	0.1351 ng/mL		0.1500	C01
Std2	Microcystins ADDA	2.257 Abs	0.1561 ng/mL		0.1500	D01
Std3	Microcystins ADDA	1.796 Abs	0.4505 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.865 Abs	0.3943 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.409 Abs	0.9340 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.436 Abs	0.8860 ng/mL		1.0000	H01
Std5	Microcystins ADDA	1.036 Abs	2.2445 ng/mL		2.0000	A02
Std5	Microcystins ADDA	1.026 Abs	2.3145 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.825 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.884 Abs	3.9600 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.668 Abs	0.5727 ng/mL			E02
Normal Control	Microcystins ADDA	1.475 Abs	0.8216 ng/mL			F02
AB26286	Microcystins ADDA	2.500 Abs	0.0481 ng/mL	LOW	0.1500 - 5.0000	G02
AB26286	Microcystins ADDA	2.482 Abs [2.4910] {0.5 C	0.0556 ng/mL [0.0518] {10.2 C	Low [Low]	0.1500 - 5.0000	H02
AB26287	Microcystins ADDA	2.679 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB26287	Microcystins ADDA	2.727 Abs [2.7030] {1.3 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	B03
AB26288	Microcystins ADDA	1.958 Abs	0.3270 ng/mL		0.1500 - 5.0000	C03
AB26288	Microcystins ADDA	1.893 Abs [1.9255] {2.4 C	0.3731 ng/mL [0.3496] {9.3 CV		0.1500 - 5.0000	D03
AB26289	Microcystins ADDA	1.743 Abs	0.4980 ng/mL		0.1500 - 5.0000	E03
AB26289	Microcystins ADDA	1.725 Abs [1.7340] {0.7 C	0.5150 ng/mL [0.5065] {2.4 CV		0.1500 - 5.0000	F03
AB26290	Microcystins ADDA	2.056 Abs	0.2645 ng/mL		0.1500 - 5.0000	G03
AB26290	Microcystins ADDA	2.002 Abs [2.0290] {1.9 C	0.2980 ng/mL [0.2809] {8.4 CV		0.1500 - 5.0000	H03
AB26291	Microcystins ADDA	2.260 Abs	0.1547 ng/mL		0.1500 - 5.0000	A04
AB26291	Microcystins ADDA	2.431 Abs [2.3455] {5.2 C	0.0772 ng/mL [0.1147] {47.3 C	Low [Low]	0.1500 - 5.0000	B04
AB26291LD	Microcystins ADDA	2.391 Abs	0.0945 ng/mL	LOW	0.1500 - 5.0000	C04
AB26291LD	Microcystins ADDA	2.379 Abs [2.3850] {0.4 C	0.0997 ng/mL [0.0971] {3.8 CV	Low [Low]	0.1500 - 5.0000	D04
20160711LB	Microcystins ADDA	2.687 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
20160711LB	Microcystins ADDA	2.701 Abs [2.6940] {0.4 C	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
Pond20160711(3x)	Microcystins ADDA	1.075 Abs	2.0025 ng/mL		0.1500 - 5.0000	G04
Pond20160711(3x)	Microcystins ADDA	1.266 Abs [1.1705] {11.5	1.2540 ng/mL [1.5615] {32.5 C		0.1500 - 5.0000	H04
2016MMDL1	Microcystins ADDA	1.805 Abs	0.4428 ng/mL		0.1500 - 5.0000	A05
2016MMDL1	Microcystins ADDA	1.966 Abs [1.8855] {6.0 C	0.3216 ng/mL [0.3787] {22.4 C		0.1500 - 5.0000	B05
2016MMDL2	Microcystins ADDA	1.955 Abs	0.3290 ng/mL		0.1500 - 5.0000	C05
2016MMDL2	Microcystins ADDA	1.866 Abs [1.9105] {3.3 C	0.3936 ng/mL [0.3603] {12.6 C		0.1500 - 5.0000	D05
2016MMDL3	Microcystins ADDA	1.939 Abs	0.3401 ng/mL		0.1500 - 5.0000	E05
2016MMDL3	Microcystins ADDA	1.949 Abs [1.9440] {0.4 C	0.3331 ng/mL [0.3366] {1.5 CV		0.1500 - 5.0000	F05
2016MMDL4	Microcystins ADDA	2.059 Abs	0.2626 ng/mL		0.1500 - 5.0000	G05
2016MMDL4	Microcystins ADDA	1.955 Abs [2.0070] {3.7 C	0.3290 ng/mL [0.2948] {15.9 C		0.1500 - 5.0000	H05
2016MMDL5	Microcystins ADDA	1.694 Abs	0.5457 ng/mL		0.1500 - 5.0000	A06
2016MMDL5	Microcystins ADDA	1.738 Abs [1.7160] {1.8 C	0.5026 ng/mL [0.5237] {5.8 CV		0.1500 - 5.0000	B06
2016MMDL6	Microcystins ADDA	1.736 Abs	0.5045 ng/mL		0.1500 - 5.0000	C06
2016MMDL6	Microcystins ADDA	1.769 Abs [1.7525] {1.3 C	0.4742 ng/mL [0.4891] {4.4 CV		0.1500 - 5.0000	D06
2016MMDL7	Microcystins ADDA	1.900 Abs	0.3680 ng/mL		0.1500 - 5.0000	E06
2016MMDL7	Microcystins ADDA	1.930 Abs [1.9150] {1.1 C	0.3464 ng/mL [0.3571] {4.3 CV		0.1500 - 5.0000	F06

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

7/13/16

Date