Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB22622	Fairfax SRA	8/3/2015	8/5/2015	< 0.150
AB22623	Paynetown SRA	8/3/2015	8/5/2015	< 0.150
AB22624	Starve Hollow SRA	8/3/2015	8/5/2015	< 0.150
AB22625	Deam Lake SRA	8/3/2015	8/5/2015	< 0.150
AB22626	Hardy Lake SRA	8/3/2015	8/5/2015	0.82
AB22627	Raccoon Lake SRA	8/4/2015	8/5/2015	0.19
AB22628	Whitewater Memorial SP	8/4/2015	8/5/2015	< 0.150
AB22629	Quakertown SRA	8/4/2015	8/5/2015	< 0.150
AB22630	Mounds SRA	8/4/2015	8/5/2015	0.45
AB22631	Hardy Lake (Field Duplicate)	8/3/2015	8/5/2015	1.22
AB22632	Field Blank	8/3/2015	8/5/2015	< 0.150
AB22624LD	Starve Hollow (Lab Duplicate)	8/3/2015	8/5/2015	< 0.150
20150805LB	Lab Blank	8/4/2015	8/5/2015	< 0.150

Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.1500 - 5.0000

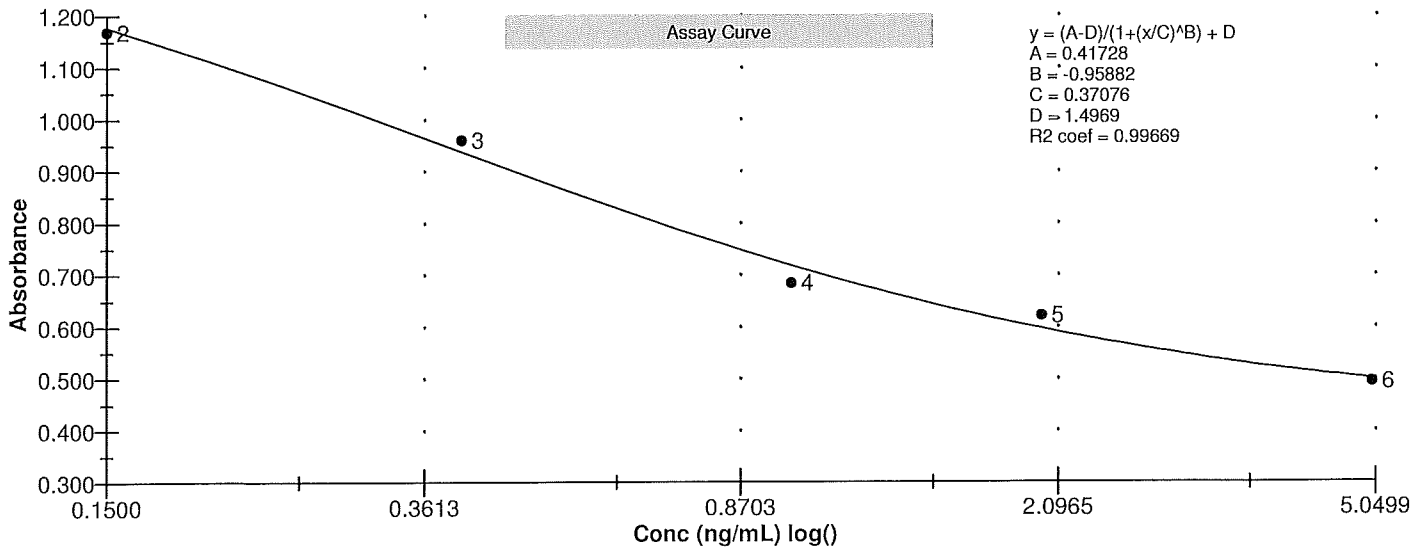
Units: ng/mL
# of decimals: 4
Assay Description:

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
8/5/2015 10:05:16 AM			
Std1	1.476 Abs	0.0062 ng/mL	A01
Std1	1.521 Abs	< 0.0000 ng/mL	B01
Std2	1.179 Abs	0.1490 ng/mL	C01
Std2	1.159 Abs	0.1632 ng/mL	D01
Std3	0.959 Abs	0.3680 ng/mL	E01
Std3	0.961 Abs	0.3651 ng/mL	F01
Std4	0.673 Abs	1.2565 ng/mL	G01
Std4	0.696 Abs	1.1150 ng/mL	H01
Std5	0.605 Abs	1.8845 ng/mL	A02
Std5	0.637 Abs	1.5395 ng/mL	B02
Std6	0.492 Abs	> 5.0000 ng/mL	C02
Std6	0.496 Abs	> 5.0000 ng/mL	D02
8/5/2015 10:05:16 AM			
Normal Control	0.835 Abs	0.5995 ng/mL	F02
Normal Control	0.833 Abs	0.6040 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.498	0.032	2.12				
Std2	1.169	0.014	1.21	0.156	0.010	6.43	4.00
Std3	0.960	0.001	0.15	0.367	0.002	0.56	-8.25
Std4	0.684	0.016	2.38	1.186	0.100	8.44	18.60
Std5	0.621	0.023	3.64	1.712	0.244	14.25	-14.40
Std6	0.494	0.003	0.57				-100.00
Normal Control	0.834	0.001	0.17	0.602	0.003	0.53	



IDEM

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/5/2015 10:05:16 AM			
Std1	Microcystins ADDA	1.476 Abs	0.0062 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.521 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.179 Abs	0.1490 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.159 Abs	0.1632 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.959 Abs	0.3680 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.961 Abs	0.3651 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.673 Abs	1.2565 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.696 Abs	1.1150 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.605 Abs	1.8845 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.637 Abs	1.5395 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.492 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.496 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.833 Abs	0.6040 ng/mL			E02
Normal Control	Microcystins ADDA	0.835 Abs	0.5995 ng/mL			F02
AB22622	Microcystins ADDA	1.620 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G02
AB22622	Microcystins ADDA	1.409 Abs	0.0296 ng/mL	LOW	0.1500 - 5.0000	H02
AB22623	Microcystins ADDA	1.216 Abs	0.1247 ng/mL	LOW	0.1500 - 5.0000	A03
AB22623	Microcystins ADDA	1.288 Abs	0.0837 ng/mL	LOW	0.1500 - 5.0000	B03
AB22624	Microcystins ADDA	1.311 Abs	0.0721 ng/mL	LOW	0.1500 - 5.0000	C03
AB22624	Microcystins ADDA	1.321 Abs	0.0672 ng/mL	LOW	0.1500 - 5.0000	D03
AB22625	Microcystins ADDA	1.398 Abs	0.0339 ng/mL	LOW	0.1500 - 5.0000	E03
AB22625	Microcystins ADDA	1.291 Abs	0.0821 ng/mL	LOW	0.1500 - 5.0000	F03
AB22626	Microcystins ADDA	0.806 Abs	0.6755 ng/mL		0.1500 - 5.0000	G03
AB22626	Microcystins ADDA	0.725 Abs	0.9680 ng/mL		0.1500 - 5.0000	H03
AB22627	Microcystins ADDA	1.064 Abs	0.2440 ng/mL		0.1500 - 5.0000	A04
AB22627	Microcystins ADDA	1.196 Abs	0.1375 ng/mL	LOW	0.1500 - 5.0000	B04
AB22628	Microcystins ADDA	1.317 Abs	0.0692 ng/mL	LOW	0.1500 - 5.0000	C04
AB22628	Microcystins ADDA	1.401 Abs	0.0327 ng/mL	LOW	0.1500 - 5.0000	D04
AB22629	Microcystins ADDA	1.268 Abs	0.0943 ng/mL	LOW	0.1500 - 5.0000	E04
AB22629	Microcystins ADDA	1.140 Abs	0.1776 ng/mL		0.1500 - 5.0000	F04
AB22630	Microcystins ADDA	0.897 Abs	0.4680 ng/mL		0.1500 - 5.0000	G04
AB22630	Microcystins ADDA	0.919 Abs	0.4295 ng/mL		0.1500 - 5.0000	H04
AB22631	Microcystins ADDA	0.672 Abs	1.2635 ng/mL		0.1500 - 5.0000	A05
AB22631	Microcystins ADDA	0.685 Abs	1.1795 ng/mL		0.1500 - 5.0000	B05
AB22632	Microcystins ADDA	1.375 Abs	0.0432 ng/mL	LOW	0.1500 - 5.0000	C05
AB22632	Microcystins ADDA	1.350 Abs	0.0540 ng/mL	LOW	0.1500 - 5.0000	D05
AB22624LD	Microcystins ADDA	1.174 Abs	0.1525 ng/mL		0.1500 - 5.0000	E05
AB22624LD	Microcystins ADDA	1.337 Abs	0.0598 ng/mL	LOW	0.1500 - 5.0000	F05
20150805LB	Microcystins ADDA	1.406 Abs	0.0308 ng/mL	LOW	0.1500 - 5.0000	G05
20150805LB	Microcystins ADDA	1.430 Abs	0.0218 ng/mL	LOW	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

8/5/15
Date