



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB18336	Potato Creek SP (Field Duplicate)	7/14/2014	7/16/2014	0.314
AB18337	Field Blank	7/14/2014	7/16/2014	< 0.150
AB18338	Mississinewa Miami SRA	7/14/2014	7/16/2014	1.618
AB18339	Potato Creek SP	7/14/2014	7/16/2014	0.425
AB18339LD	Potato Creek SP (Lab Duplicate)	7/14/2014	7/16/2014	0.399
20140714LB	Lab Blank	7/14/2014	7/16/2014	< 0.150
AB18343	Ferdinand SP	7/14/2014	7/16/2014	< 0.150
AB18344	Lincoln SP	7/14/2014	7/16/2014	< 0.150
AB18340	Pokagon SP	7/15/2014	7/16/2014	0.205
AB18341	Sand Lake Chain O'Lakes SP	7/15/2014	7/16/2014	0.282
AB18342	Salamonie Lost Bridge West SRA	7/15/2014	7/16/2014	0.698



Assay Calibration Report

Assay Information

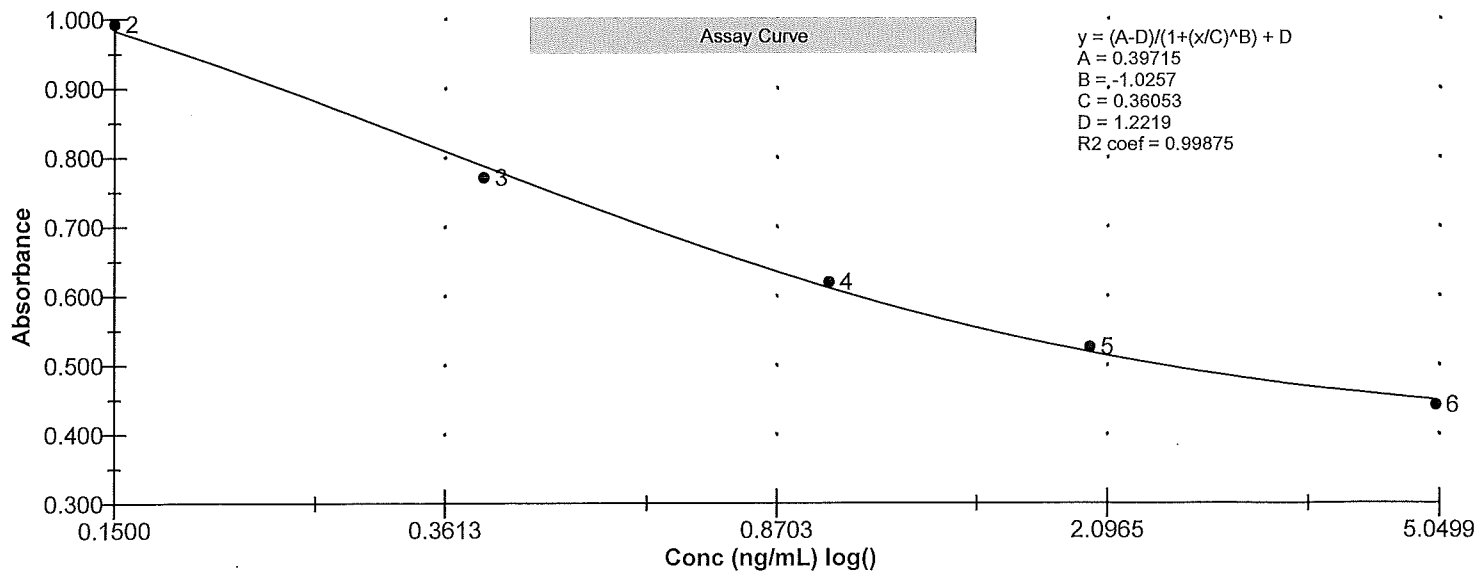
Assay Name: Microcystins ADDA Units: ng/mL
 Assay Mode: 4-Parameter Logistic # of decimals: 4
 Normal: 0.1500 - 5.0000 Assay Description:

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
7/16/2014 11:19:09 AM			
Std1	1.214 Abs	0.0039 ng/mL	A01
Std1	1.227 Abs	< 0.0000 ng/mL	B01
Std2	0.965 Abs	0.1663 ng/mL	C01
Std2	1.021 Abs	0.1194 ng/mL	D01
Std3	0.765 Abs	0.4455 ng/mL	E01
Std3	0.777 Abs	0.4205 ng/mL	F01
Std4	0.599 Abs	1.0820 ng/mL	G01
Std4	0.641 Abs	0.8400 ng/mL	H01
Std5	0.513 Abs	2.1100 ng/mL	A02
Std5	0.539 Abs	1.6695 ng/mL	B02
Std6	0.431 Abs	> 5.0000 ng/mL	C02
Std6	0.453 Abs	4.6500 ng/mL	D02
7/16/2014 11:19:09 AM			
Normal Control	0.689 Abs	0.6485 ng/mL	F02
Normal Control	0.669 Abs	0.7200 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.220	0.009	0.75				
Std2	0.993	0.040	3.99	0.143	0.033	23.22	-4.67
Std3	0.771	0.008	1.10	0.433	0.018	4.08	8.25
Std4	0.620	0.030	4.79	0.961	0.171	17.81	-3.90
Std5	0.526	0.018	3.50	1.890	0.311	16.48	-5.50
Std6	0.442	0.016	3.52				-100.00
Normal Control	0.679	0.014	2.08	0.684	0.051	7.39	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/16/2014 11:19:09 AM						
Std1	Microcystins ADDA	1.214 Abs	0.0039 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.227 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	0.965 Abs	0.1663 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.021 Abs	0.1194 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.765 Abs	0.4455 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.777 Abs	0.4205 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.599 Abs	1.0820 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.641 Abs	0.8400 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.513 Abs	2.1100 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.539 Abs	1.6695 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.431 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.453 Abs	4.6500 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.669 Abs	0.7200 ng/mL			E02
Normal Control	Microcystins ADDA	0.689 Abs	0.6485 ng/mL			F02
AB18336	Microcystins ADDA	0.826 Abs	0.3335 ng/mL		0.1500 - 5.0000	G02
AB18336	Microcystins ADDA	0.852 Abs	0.2946 ng/mL		0.1500 - 5.0000	H02
AB18337	Microcystins ADDA	1.214 Abs	0.0039 ng/mL	LOW	0.1500 - 5.0000	A03
AB18337	Microcystins ADDA	1.217 Abs	0.0024 ng/mL	LOW	0.1500 - 5.0000	B03
AB18338	Microcystins ADDA	0.533 Abs	1.7550 ng/mL		0.1500 - 5.0000	C03
AB18338	Microcystins ADDA	0.554 Abs	1.4800 ng/mL		0.1500 - 5.0000	D03
AB18339	Microcystins ADDA	0.764 Abs	0.4475 ng/mL		0.1500 - 5.0000	E03
AB18339	Microcystins ADDA	0.786 Abs	0.4030 ng/mL		0.1500 - 5.0000	F03
AB18339LD	Microcystins ADDA	0.792 Abs	0.3915 ng/mL		0.1500 - 5.0000	G03
AB18339LD	Microcystins ADDA	0.784 Abs	0.4067 ng/mL		0.1500 - 5.0000	H03
20140714LB	Microcystins ADDA	1.170 Abs	0.0258 ng/mL	LOW	0.1500 - 5.0000	A04
20140714LB	Microcystins ADDA	1.198 Abs	0.0117 ng/mL	LOW	0.1500 - 5.0000	B04
AB18343	Microcystins ADDA	1.127 Abs	0.0493 ng/mL	LOW	0.1500 - 5.0000	C04
AB18343	Microcystins ADDA	1.169 Abs	0.0264 ng/mL	LOW	0.1500 - 5.0000	D04
AB18344	Microcystins ADDA	1.052 Abs	0.0967 ng/mL	LOW	0.1500 - 5.0000	E04
AB18344	Microcystins ADDA	1.042 Abs	0.1038 ng/mL	LOW	0.1500 - 5.0000	F04
AB18340	Microcystins ADDA	0.906 Abs	0.2265 ng/mL		0.1500 - 5.0000	G04
AB18340	Microcystins ADDA	0.947 Abs	0.1833 ng/mL		0.1500 - 5.0000	H04
AB18341	Microcystins ADDA	0.825 Abs	0.3350 ng/mL		0.1500 - 5.0000	A05
AB18341	Microcystins ADDA	0.904 Abs	0.2287 ng/mL		0.1500 - 5.0000	B05
AB18342	Microcystins ADDA	0.687 Abs	0.6550 ng/mL		0.1500 - 5.0000	C05
AB18342	Microcystins ADDA	0.664 Abs	0.7400 ng/mL		0.1500 - 5.0000	D05

The data in this report is preliminary without a quality control report. This data is not warranted for accuracy or other purposes.

Beth Ralston

Laboratory Analyst Signature

7/17/14

Date