



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB18787	Chain O'Lakes SP (Field Duplicate)	8/25/2014	8/27/2014	< 0.150
AB18788	Field Blank	8/25/2014	8/27/2014	< 0.150
AB18789	Chain O'Lakes SP	8/25/2014	8/27/2014	< 0.150
AB18790	Potato Creek SP	8/25/2014	8/27/2014	< 0.150
AB18789LD	Chain O'Lakes SP (Lab Duplicate)	8/25/2014	8/27/2014	< 0.150
20149825LB	Lab Blank	8/25/2014	8/27/2014	< 0.150



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/27/2014 11:02:17 AM						
Std1	Microcystins ADDA	1.211 Abs	0.0187 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.288 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.030 Abs	0.1375 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.018 Abs	0.1480 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.801 Abs	0.4465 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.818 Abs	0.4120 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.651 Abs	0.9480 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.657 Abs	0.9175 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.537 Abs	2.0100 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.536 Abs	2.0250 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.440 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.465 Abs	4.2650 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.723 Abs	0.6510 ng/mL			E02
Normal Control	Microcystins ADDA	0.747 Abs	0.5785 ng/mL			F02
AB18787	Microcystins ADDA	1.131 Abs	0.0635 ng/mL	LOW	0.1500 - 5.0000	G02
AB18787	Microcystins ADDA	1.085 Abs	0.0944 ng/mL	LOW	0.1500 - 5.0000	H02
AB18788	Microcystins ADDA	1.213 Abs	0.0177 ng/mL	LOW	0.1500 - 5.0000	A03
AB18788	Microcystins ADDA	1.269 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB18789	Microcystins ADDA	1.057 Abs	0.1155 ng/mL	LOW	0.1500 - 5.0000	C03
AB18789	Microcystins ADDA	1.073 Abs	0.1032 ng/mL	LOW	0.1500 - 5.0000	D03
AB18790	Microcystins ADDA	1.106 Abs	0.0798 ng/mL	LOW	0.1500 - 5.0000	E03
AB18790	Microcystins ADDA	1.111 Abs	0.0764 ng/mL	LOW	0.1500 - 5.0000	F03
AB18789LD	Microcystins ADDA	1.110 Abs	0.0771 ng/mL	LOW	0.1500 - 5.0000	G03
AB18789LD	Microcystins ADDA	1.126 Abs	0.0666 ng/mL	LOW	0.1500 - 5.0000	H03
20140825LB	Microcystins ADDA	1.233 Abs	0.0081 ng/mL	LOW	0.1500 - 5.0000	A04
20140825LB	Microcystins ADDA	1.292 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B04
Check A	Microcystins ADDA	1.289 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C04
Check A	Microcystins ADDA	1.351 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	D04
Check C	Microcystins ADDA	0.533 Abs	2.0750 ng/mL		0.1500 - 5.0000	E04
Check C	Microcystins ADDA	0.560 Abs	1.6825 ng/mL		0.1500 - 5.0000	F04

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

Beth Ratkoff

Laboratory Analyst Signature

8-27-14

Date



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

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8/27/2014 11:02:17 AM			
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Std2	1.018 Abs	0.1480 ng/mL	D01
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Std3	0.818 Abs	0.4120 ng/mL	F01
Std4	0.651 Abs	0.9480 ng/mL	G01
Std4	0.657 Abs	0.9175 ng/mL	H01
Std5	0.537 Abs	2.0100 ng/mL	A02
Std5	0.536 Abs	2.0250 ng/mL	B02
Std6	0.440 Abs	> 5.0000 ng/mL	C02
Std6	0.465 Abs	4.2650 ng/mL	D02
8/27/2014 11:02:17 AM			
Normal Control	0.747 Abs	0.5785 ng/mL	F02
Normal Control	0.723 Abs	0.6510 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.250	0.054	4.36				
Std2	1.024	0.008	0.83	0.143	0.007	5.20	-4.67
Std3	0.809	0.012	1.48	0.429	0.024	5.68	7.25
Std4	0.654	0.004	0.65	0.933	0.022	2.31	-6.70
Std5	0.536	0.001	0.13	2.017	0.011	0.53	0.85
Std6	0.452	0.018	3.91				-100.00
Normal Control	0.735	0.017	2.31	0.615	0.051	8.34	

