



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB21809	Potato Creek (Field Duplicate)	6/15/2015	6/17/2015	3.19
AB21810	Field Blank	6/15/2015	6/17/2015	< 0.150
AB21811	Mississinewa Lake Miami SRA	6/15/2015	6/17/2015	< 0.150
AB21812	Potato Creek SP	6/15/2015	6/17/2015	4.67
AB21813	Pokagon SP	6/16/2015	6/17/2015	< 0.150
AB21814	Chain O'Lakes SP	6/16/2015	6/17/2015	< 0.150
AB21815	Lost Bridge West SRA	6/16/2015	6/17/2015	< 0.150
AB21816	Lincoln SP	6/14/2015	6/17/2015	< 0.150
AB21817	Ferdinand SF	6/15/2015	6/17/2015	< 0.150
AB21813LD	Pokagon (Lab Duplicate)	6/16/2015	6/17/2015	< 0.150
20150616LB	Lab Blank	6/16/2015	6/17/2015	< 0.150




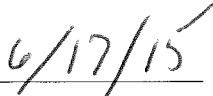
Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
6/17/2015 11:43:29 AM						
Std1	Microcystins ADDA	1.474 Abs	0.0028 ng/mL		0.0000	A01
Std1	Microcystins ADDA	1.481 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.216 Abs	0.1678 ng/mL		0.1500	C01
Std2	Microcystins ADDA	1.267 Abs	0.1309 ng/mL		0.1500	D01
Std3	Microcystins ADDA	0.981 Abs	0.4075 ng/mL		0.4000	E01
Std3	Microcystins ADDA	0.992 Abs	0.3925 ng/mL		0.4000	F01
Std4	Microcystins ADDA	0.723 Abs	1.0430 ng/mL		1.0000	G01
Std4	Microcystins ADDA	0.730 Abs	1.0125 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.628 Abs	1.6530 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.489 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.501 Abs	4.8350 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	0.900 Abs	0.5460 ng/mL			E02
Normal Control	Microcystins ADDA	0.881 Abs	0.5840 ng/mL			F02
AB21809	Microcystins ADDA	0.558 Abs	2.8300 ng/mL		0.1500 - 5.0000	G02
AB21809	Microcystins ADDA	0.534 Abs	3.5400 ng/mL		0.1500 - 5.0000	H02
AB21810	Microcystins ADDA	1.489 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A03
AB21810	Microcystins ADDA	1.480 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B03
AB21811	Microcystins ADDA	1.334 Abs	0.0845 ng/mL	LOW	0.1500 - 5.0000	C03
AB21811	Microcystins ADDA	1.323 Abs	0.0913 ng/mL	LOW	0.1500 - 5.0000	D03
AB21812	Microcystins ADDA	0.516 Abs	4.3400 ng/mL		0.1500 - 5.0000	E03
AB21812	Microcystins ADDA	0.501 Abs	> 5.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F03
AB21813	Microcystins ADDA	1.562 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G03
AB21813	Microcystins ADDA	1.608 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H03
AB21814	Microcystins ADDA	1.271 Abs	0.1255 ng/mL	LOW	0.1500 - 5.0000	A04
AB21814	Microcystins ADDA	1.364 Abs	0.0663 ng/mL	LOW	0.1500 - 5.0000	B04
AB21815	Microcystins ADDA	1.447 Abs	0.0189 ng/mL	LOW	0.1500 - 5.0000	C04
AB21815	Microcystins ADDA	1.414 Abs	0.0375 ng/mL	LOW	0.1500 - 5.0000	D04
AB21816	Microcystins ADDA	1.364 Abs	0.0663 ng/mL	LOW	0.1500 - 5.0000	E04
AB21816	Microcystins ADDA	1.560 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	F04
AB21817	Microcystins ADDA	1.557 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB21817	Microcystins ADDA	1.692 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	H04
AB21813LD	Microcystins ADDA	1.493 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A05
AB21813LD	Microcystins ADDA	1.506 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	B05
20150616LB	Microcystins ADDA	1.581 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
20150616LB	Microcystins ADDA	1.501 Abs	< 0.0000 ng/mL	Out(LR)	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.


Laboratory Analyst Signature


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

Name	Absorbance	Concentration	Position
6/17/2015 11:43:29 AM			
Std1	1.474 Abs	0.0031 ng/mL	A01
Std1	1.481 Abs	< 0.0000 ng/mL	B01
Std2	1.216 Abs	0.1655 ng/mL	C01
Std2	1.267 Abs	0.1283 ng/mL	D01
Std3	0.981 Abs	0.4107 ng/mL	E01
Std3	0.992 Abs	0.3952 ng/mL	F01
Std4	0.723 Abs	1.0800 ng/mL	G01
Std4	0.730 Abs	1.0475 ng/mL	H01
Std5	0.628 Abs	1.7380 ng/mL	B02
Std6	0.489 Abs	> 5.0000 ng/mL	C02
Std6	0.501 Abs	> 5.0000 ng/mL	D02
6/17/2015 11:43:29 AM			
Normal Control	0.881 Abs	0.5840 ng/mL	F02
Normal Control	0.900 Abs	0.5460 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.477	0.005	0.34				
Std2	1.241	0.036	2.90	0.147	0.026	17.91	-2.00
Std3	0.987	0.008	0.79	0.403	0.011	2.72	0.75
Std4	0.727	0.005	0.68	1.064	0.023	2.16	6.40
Std5	0.628			1.738			-13.10
Std6	0.495	0.008	1.71				-100.00
Normal Control	0.890	0.013	1.51	0.565	0.027	4.76	

