



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB26593	Mississinewa Miami SRA	8/15/2016	8/17/2016	< 0.15
AB26594	Potato Creek SP	8/15/2016	8/17/2016	0.63
AB26591	Mississinewa (Field Duplicate)	8/15/2016	8/17/2016	< 0.15
AB26592	Field Blank	8/15/2016	8/17/2016	< 0.15
AB26595	Lost Bridge West SRA	8/16/2016	8/17/2016	0.44
AB26595LD	Lost Bridge (Lab Duplicate)	8/16/2016	8/17/2016	0.62
20160816LB	Lab Blank	8/16/2016	8/17/2016	< 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
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Std1	2.819 Abs	< 0.0000 ng/mL	A01
Std1	2.796 Abs	0.0011 ng/mL	B01
Std2	2.418 Abs	0.1353 ng/mL	C01
Std2	2.337 Abs	0.1801 ng/mL	D01
Std3	2.017 Abs	0.4285 ng/mL	E01
Std3	2.120 Abs	0.3340 ng/mL	F01
Std4	1.579 Abs	1.0850 ng/mL	G01
Std4	1.619 Abs	1.0005 ng/mL	H01
Std5	1.274 Abs	2.0410 ng/mL	A02
Std5	1.310 Abs	1.8895 ng/mL	B02
Std6	0.877 Abs	> 5.0000 ng/mL	C02
Std6	0.937 Abs	4.6000 ng/mL	D02
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Normal Control	1.884 Abs	0.5768 ng/mL	F02
Normal Control	1.882 Abs	0.5792 ng/mL	E02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.807	0.016	0.58				
Std2	2.378	0.057	2.41	0.158	0.032	20.09	5.33
Std3	2.069	0.073	3.52	0.381	0.067	17.53	-4.75
Std4	1.599	0.028	1.77	1.043	0.060	5.73	4.30
Std5	1.292	0.025	1.97	1.965	0.107	5.45	-1.75
Std6	0.907	0.042	4.68				-100.00
Normal Control	1.883	0.001	0.08	0.578	0.002	0.29	



