



Assay Calibration Report

Assay Information

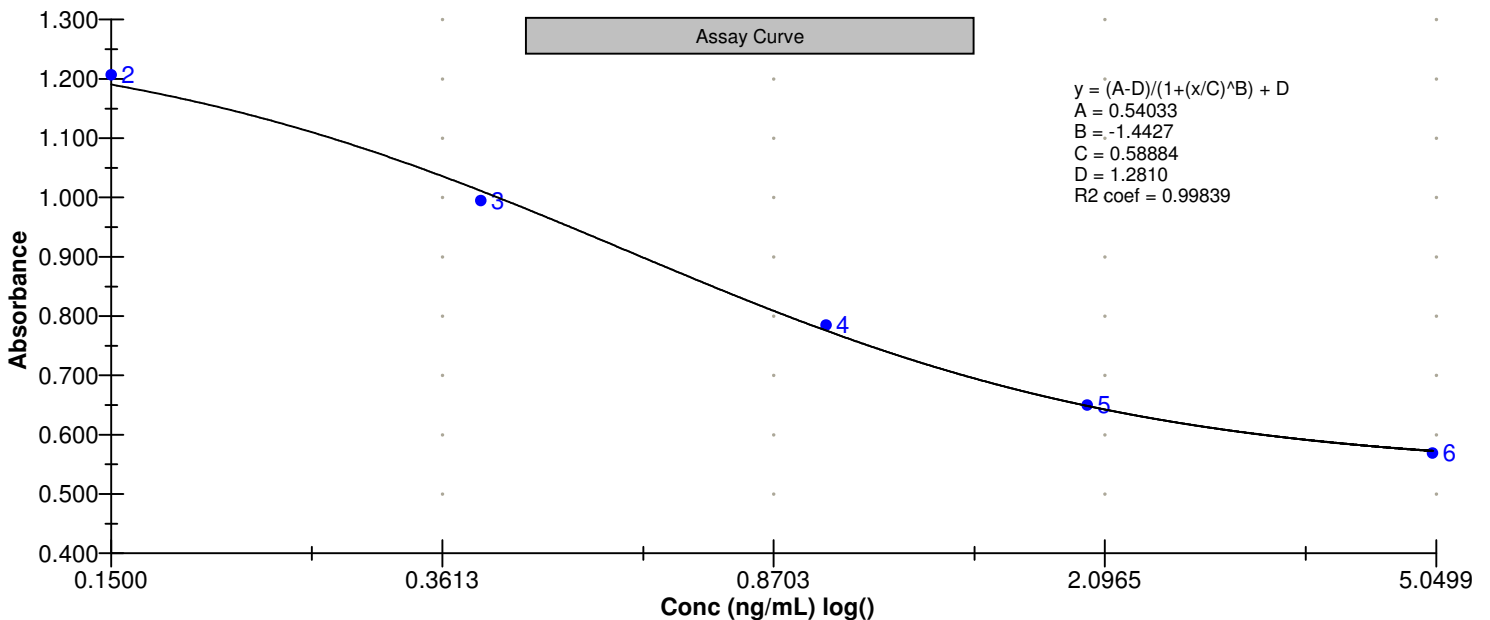
Assay Name: Microcystins ADDA Units: ng/mL
 Assay Mode: 4-Parameter Logistic # of decimals: 4
 Normal: 0.1500 - 5.0000 Assay Description:

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
9/1/2011 12:18:04 PM			
Std1	1.217 Abs	0.1150 ng/mL	A01
Std1	1.331 Abs	< 0.0000 ng/mL	B01
Std2	1.161 Abs	0.1885 ng/mL	C01
Std2	1.253 Abs	0.0625 ng/mL	D01
Std3	0.987 Abs	0.4405 ng/mL	E01
Std3	1.004 Abs	0.4120 ng/mL	F01
Std4	0.755 Abs	1.0955 ng/mL	G01
Std4	0.814 Abs	0.8530 ng/mL	H01
Std5	0.653 Abs	1.9360 ng/mL	A02
Std5	0.648 Abs	2.0100 ng/mL	B02
Std6	0.577 Abs	4.5700 ng/mL	C02
Std6	0.561 Abs	> 5.0000 ng/mL	D02
9/1/2011 12:18:04 PM			
Normal Control	0.826 Abs	0.8130 ng/mL	E02
Normal Control	0.854 Abs	0.7290 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.274	0.081	6.33				
Std2	1.207	0.065	5.39	0.125	0.089	70.99	-16.67
Std3	0.995	0.012	1.21	0.426	0.020	4.73	6.50
Std4	0.785	0.042	5.32	0.974	0.171	17.60	-2.60
Std5	0.650	0.004	0.54	1.973	0.052	2.65	-1.35
Std6	0.569	0.011	1.99				-100.00
Normal Control	0.840	0.020	2.36	0.771	0.059	7.70	





Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
9/1/2011 12:18:04 PM						
Std1	Microcystins ADDA	1.217 Abs	0.1150 ng/mL			A01
Std1	Microcystins ADDA	1.331 Abs	< 0.0000 ng/mL			B01
Std2	Microcystins ADDA	1.161 Abs	0.1885 ng/mL			C01
Std2	Microcystins ADDA	1.253 Abs	0.0625 ng/mL			D01
Std3	Microcystins ADDA	0.987 Abs	0.4405 ng/mL			E01
Std3	Microcystins ADDA	1.004 Abs	0.4120 ng/mL			F01
Std4	Microcystins ADDA	0.755 Abs	1.0955 ng/mL			G01
Std4	Microcystins ADDA	0.814 Abs	0.8530 ng/mL			H01
Std5	Microcystins ADDA	0.653 Abs	1.9360 ng/mL			A02
Std5	Microcystins ADDA	0.648 Abs	2.0100 ng/mL			B02
Std6	Microcystins ADDA	0.577 Abs	4.5700 ng/mL			C02
Std6	Microcystins ADDA	0.561 Abs	> 5.0000 ng/mL			D02
Normal Control	Microcystins ADDA	0.826 Abs	0.8130 ng/mL			E02
Normal Control	Microcystins ADDA	0.854 Abs	0.7290 ng/mL			F02
AB05053	Microcystins ADDA	1.093 Abs	0.2790 ng/mL		0.1500 - 5.0000	G02
AB05053	Microcystins ADDA	1.053 Abs [1.0730]	0.3359 ng/mL [0.3070]		0.1500 - 5.0000	H02
AB05058	Microcystins ADDA	1.140 Abs	0.2160 ng/mL		0.1500 - 5.0000	A03
AB05058	Microcystins ADDA	1.311 Abs [1.2255]	< 0.0000 ng/mL [0.1030]	Out(LR) [Low]	0.1500 - 5.0000	B03
AB05059	Microcystins ADDA	1.062 Abs	0.3225 ng/mL		0.1500 - 5.0000	C03
AB05059	Microcystins ADDA	1.060 Abs [1.0610]	0.3255 ng/mL [0.3240]		0.1500 - 5.0000	D03
AB05060	Microcystins ADDA	1.341 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E03
AB05060	Microcystins ADDA	1.460 Abs [1.4005]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F03
AB05063	Microcystins ADDA	1.197 Abs	0.1415 ng/mL	LOW	0.1500 - 5.0000	G03
AB05063	Microcystins ADDA	1.201 Abs [1.1990]	0.1364 ng/mL [0.1390]	Low [Low]	0.1500 - 5.0000	H03
AB05064	Microcystins ADDA	1.320 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	A04
AB05064	Microcystins ADDA	1.264 Abs [1.2920]	0.0439 ng/mL [< 0.0000]	Low [Out(LR)]	0.1500 - 5.0000	B04
AB05065	Microcystins ADDA	1.256 Abs	0.0575 ng/mL	LOW	0.1500 - 5.0000	C04
AB05065	Microcystins ADDA	1.328 Abs [1.2920]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D04
AB05066	Microcystins ADDA	1.385 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E04
AB05066	Microcystins ADDA	1.311 Abs [1.3480]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	F04
AB05067	Microcystins ADDA	1.388 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G04
AB05067	Microcystins ADDA	1.382 Abs [1.3850]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H04
AB05068	Microcystins ADDA	1.269 Abs	0.0340 ng/mL	LOW	0.1500 - 5.0000	A05
AB05068	Microcystins ADDA	1.203 Abs [1.2360]	0.1338 ng/mL [0.0883]	Low [Low]	0.1500 - 5.0000	B05
AB05069	Microcystins ADDA	1.335 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	C05
AB05069	Microcystins ADDA	1.311 Abs [1.3230]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	D05
AB05058LD	Microcystins ADDA	1.292 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	E05
AB05058LD	Microcystins ADDA	1.140 Abs [1.2160]	0.2160 ng/mL [0.1163]	[Low]	0.1500 - 5.0000	F05
LB20110831	Microcystins ADDA	1.409 Abs	< 0.0000 ng/mL	Out(LR)	0.1500 - 5.0000	G05
LB20110831	Microcystins ADDA	1.411 Abs [1.4100]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.1500 - 5.0000	H05

Notes

Signature

Betty Ratcliff



Microcystin ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB05053	Salamonie	8/30/2011	9/1/2011	0.307
AB05058	Worster Lake	8/30/2011	9/1/2011	< 0.150
AB05059	Field Duplicate (Salamonie)	8/30/2011	9/1/2011	0.324
AB05060	Field Blank	8/29/2011	9/1/2011	< 0.150
AB05063	Hardy Lake	8/31/2011	9/1/2011	< 0.150
AB05064	Raccoon Lake	8/29/2011	9/1/2011	< 0.150
AB05065	Monroe (Paynetown)	8/29/2011	9/1/2011	< 0.150
AB05066	Monroe (Hardin Ridge)	8/29/2011	9/1/2011	< 0.150
AB05067	Monroe (Fairfax)	8/29/2011	9/1/2011	< 0.150
AB05068	Field Duplicate (Monroe Hardin Ridge)	8/29/2011	9/1/2011	< 0.150
AB05069	Field Blank	8/30/2011	9/1/2011	< 0.150
AB05058LD	Lab Duplicate (Worster Lake)	8/30/2011	9/1/2011	< 0.150
LB20110831	Lab Blank	8/31/2011	9/1/2011	< 0.150