Assay Calibration Report

Assay Information

Assay Name: Microcystins ADDA
Assay Mode: 4-Parameter Logistic
Normal: 0.2000 - 5.0000

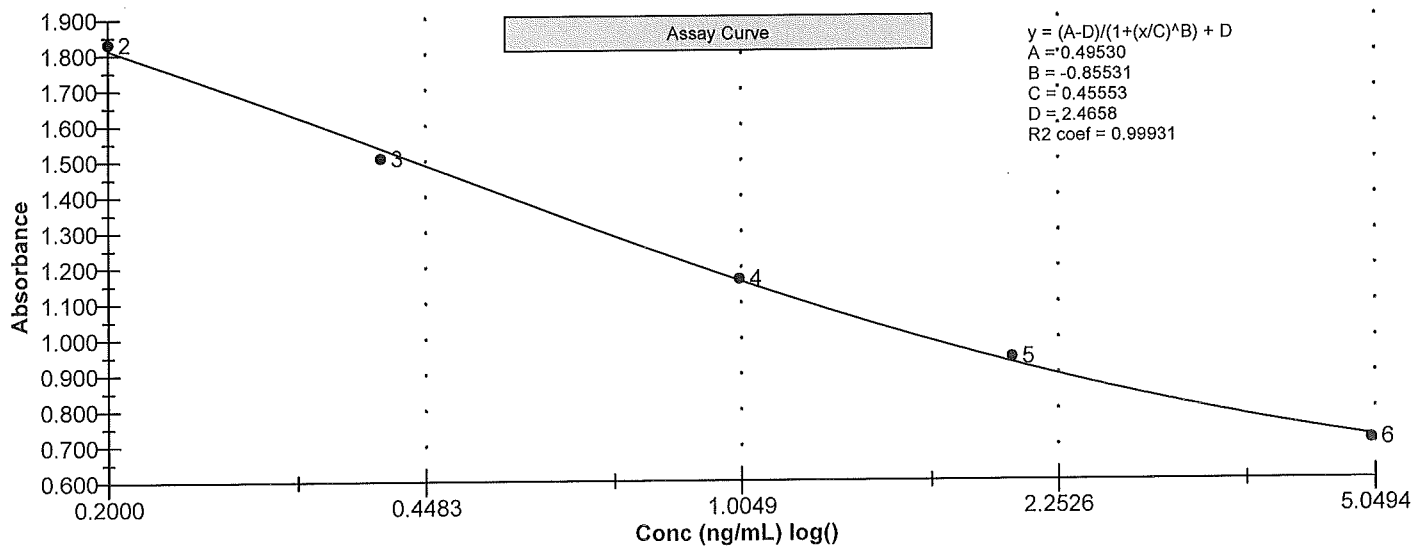
Units: ng/mL
# of decimals: 4
Assay Description:

Controls:
Normal Control
Standards:
Std1, Concentration = 0.0000, Minimum number to use: 2
Std2, Concentration = 0.2000, 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
8/21/2013 11:39:10 AM			
Std1	2.446 Abs	0.0021 ng/mL	A01
Std1	2.481 Abs	< 0.0000 ng/mL	B01
Std2	1.894 Abs	0.1601 ng/mL	C01
Std2	1.769 Abs	0.2250 ng/mL	D01
Std3	1.486 Abs	0.4496 ng/mL	E01
Std3	1.530 Abs	0.4050 ng/mL	F01
Std4	1.128 Abs	1.0935 ng/mL	G01
Std4	1.204 Abs	0.8940 ng/mL	H01
Std5	0.971 Abs	1.7375 ng/mL	A02
Std5	0.916 Abs	2.0925 ng/mL	B02
Std6	0.697 Abs	> 5.0000 ng/mL	C02
Std6	0.725 Abs	4.8600 ng/mL	D02
8/21/2013 11:39:10 AM			
Normal Control	1.203 Abs	0.8965 ng/mL	E02
Normal Control	1.383 Abs	0.5745 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.464	0.025	1.00				
Std2	1.832	0.088	4.83	0.193	0.046	23.83	-3.50
Std3	1.508	0.031	2.06	0.427	0.032	7.38	6.75
Std4	1.166	0.054	4.61	0.994	0.141	14.20	-0.60
Std5	0.944	0.039	4.12	1.915	0.251	13.11	-4.25
Std6	0.711	0.020	2.78				-100.00
Normal Control	1.293	0.127	9.84	0.735	0.228	30.96	



IDEM

Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
			8/21/2013 11:39:10 AM			
Std1	Microcystins ADDA	2.446 Abs	0.0021 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.481 Abs	< 0.0000 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.894 Abs	0.1601 ng/mL		0.2000	C01
Std2	Microcystins ADDA	1.769 Abs	0.2250 ng/mL		0.2000	D01
Std3	Microcystins ADDA	1.486 Abs	0.4496 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.530 Abs	0.4050 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.128 Abs	1.0935 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.204 Abs	0.8940 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.971 Abs	1.7375 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.916 Abs	2.0925 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.697 Abs	> 5.0000 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.725 Abs	4.8600 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.203 Abs	0.8965 ng/mL			E02
Normal Control	Microcystins ADDA	1.383 Abs	0.5745 ng/mL			F02
AB14243	Microcystins ADDA	2.254 Abs	0.0384 ng/mL	**LOW**	0.2000 - 5.0000	G02
AB14243	Microcystins ADDA	2.370 Abs [2.3120]	0.0141 ng/mL [0.0254]	Low [Low]	0.2000 - 5.0000	H02
AB14244	Microcystins ADDA	1.476 Abs	0.4605 ng/mL		0.2000 - 5.0000	A03
AB14244	Microcystins ADDA	1.421 Abs [1.4485]	0.5246 ng/mL [0.4915]		0.2000 - 5.0000	B03
AB14244LD	Microcystins ADDA	1.402 Abs	0.5490 ng/mL		0.2000 - 5.0000	C03
AB14244LD	Microcystins ADDA	1.370 Abs [1.3860]	0.5927 ng/mL [0.5705]		0.2000 - 5.0000	D03
AB14245	Microcystins ADDA	2.448 Abs	0.0019 ng/mL	**LOW**	0.2000 - 5.0000	E03
AB14245	Microcystins ADDA	2.498 Abs [2.4730]	< 0.0000 ng/mL [< 0.0000]	Out(LR) [Out(LR)]	0.2000 - 5.0000	F03
AB14246	Microcystins ADDA	2.188 Abs	0.0551 ng/mL	**LOW**	0.2000 - 5.0000	G03
AB14246	Microcystins ADDA	2.173 Abs [2.1805]	0.0591 ng/mL [0.0571]	Low [Low]	0.2000 - 5.0000	H03
20130819LB	Microcystins ADDA	2.324 Abs	0.0229 ng/mL	**LOW**	0.2000 - 5.0000	A04
20130819LB	Microcystins ADDA	2.424 Abs [2.3740]	0.0052 ng/mL [0.0133]	Low [Low]	0.2000 - 5.0000	B04
AB14247	Microcystins ADDA	2.171 Abs	0.0597 ng/mL	**LOW**	0.2000 - 5.0000	C04
AB14247	Microcystins ADDA	2.009 Abs [2.0900]	0.1123 ng/mL [0.0840]	Low [Low]	0.2000 - 5.0000	D04
AB14248	Microcystins ADDA	2.141 Abs	0.0683 ng/mL	**LOW**	0.2000 - 5.0000	E04
AB14248	Microcystins ADDA	2.250 Abs [2.1955]	0.0393 ng/mL [0.0531]	Low [Low]	0.2000 - 5.0000	F04
AB14249	Microcystins ADDA	2.166 Abs	0.0611 ng/mL	**LOW**	0.2000 - 5.0000	G04
AB14249	Microcystins ADDA	2.213 Abs [2.1895]	0.0485 ng/mL [0.0547]	Low [Low]	0.2000 - 5.0000	H04
AB14250	Microcystins ADDA	2.197 Abs	0.0527 ng/mL	**LOW**	0.2000 - 5.0000	A05
AB14250	Microcystins ADDA	2.462 Abs [2.3295]	0.0003 ng/mL [0.0218]	Low [Low]	0.2000 - 5.0000	B05
AB14251	Microcystins ADDA	2.143 Abs	0.0677 ng/mL	**LOW**	0.2000 - 5.0000	C05
AB14251	Microcystins ADDA	2.063 Abs [2.1030]	0.0930 ng/mL [0.0799]	Low [Low]	0.2000 - 5.0000	D05

Notes

8/21/13

Signature

Microcystin ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB14243	Mississinewa Miami SRA	8/19/2013	8/21/2013	< 0.200
AB14244	Potato Creek SP	8/19/2013	8/21/2013	0.492
AB14244LD	Lab Duplicate (Potato Creek)	8/19/2013	8/21/2013	0.571
AB14245	Field Blank	8/19/2013	8/21/2013	< 0.200
AB14246	Field Duplicate (Mississinewa)	8/19/2013	8/21/2013	< 0.200
20130819LB	Lab Blank	8/19/2013	8/21/2013	< 0.200
AB14247	Chain O' Lakes SP	8/20/2013	8/21/2013	< 0.200
AB14248	Pokagon SP	8/20/2013	8/21/2013	< 0.200
AB14249	Salamonie Lake	8/20/2013	8/21/2013	< 0.200
AB14250	Field Blank	8/20/2013	8/21/2013	< 0.200
AB14251	Field Duplicate (Pokagon SP)	8/20/2013	8/21/2013	< 0.200