Assay Calibration Report

Assay Information

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

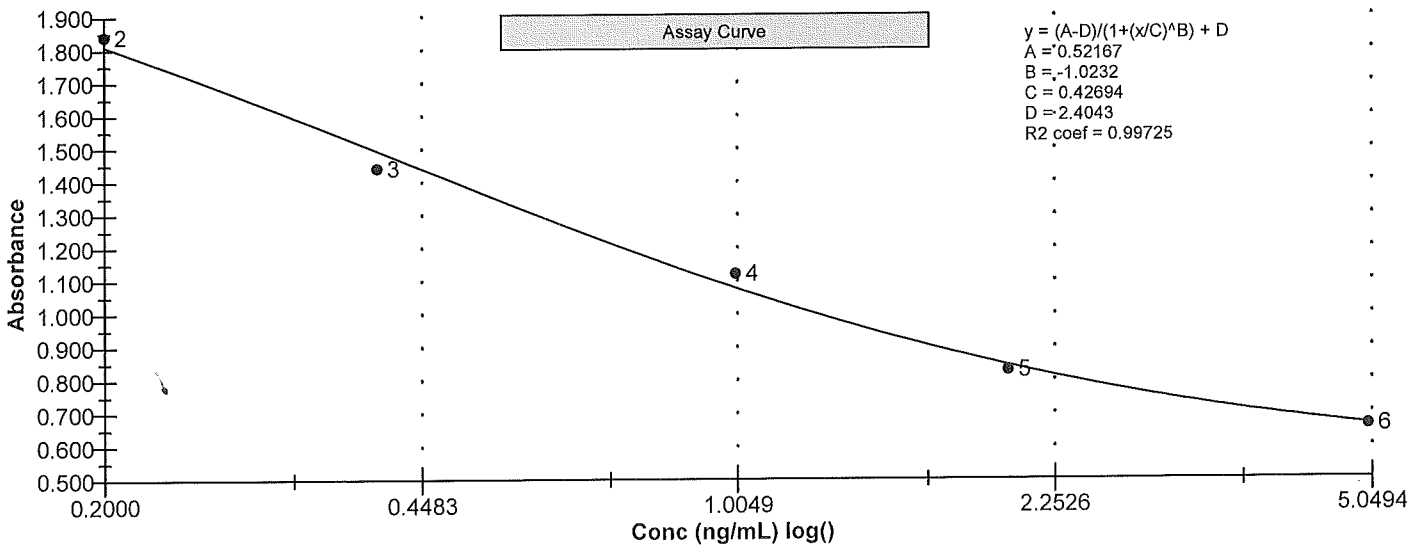
Units: ng/mL
# of decimals: 4
Assay Description:

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
7/2/2013 2:12:52 PM			
Std1	2.443 Abs	< 0.0000 ng/mL	A01
Std1	2.358 Abs	0.0117 ng/mL	B01
Std2	1.790 Abs	0.2102 ng/mL	C01
Std2	1.892 Abs	0.1632 ng/mL	D01
Std3	1.465 Abs	0.4250 ng/mL	E01
Std3	1.418 Abs	0.4687 ng/mL	F01
Std4	1.108 Abs	0.9270 ng/mL	G01
Std4	1.134 Abs	0.8710 ng/mL	H01
Std5	0.812 Abs	2.2535 ng/mL	A02
Std5	0.844 Abs	1.9945 ng/mL	B02
Std6	0.668 Abs	4.7900 ng/mL	C02
Std6	0.651 Abs	> 5.0000 ng/mL	D02
7/2/2013 2:12:52 PM			
Normal Control	1.505 Abs	0.3911 ng/mL	E02
Normal Control	1.296 Abs	0.6060 ng/mL	F02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	2.401	0.060	2.50				
Std2	1.841	0.072	3.92	0.187	0.033	17.80	-6.50
Std3	1.441	0.033	2.31	0.447	0.031	6.92	11.75
Std4	1.121	0.018	1.64	0.899	0.040	4.40	-10.10
Std5	0.828	0.023	2.73	2.124	0.183	8.62	6.20
Std6	0.660	0.012	1.82				-100.00
Normal Control	1.401	0.148	10.55	0.499	0.152	30.48	



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
7/2/2013 2:12:52 PM						
Std1	Microcystins ADDA	2.443 Abs	< 0.0000 ng/mL		0.0000	A01
Std1	Microcystins ADDA	2.358 Abs	0.0117 ng/mL		0.0000	B01
Std2	Microcystins ADDA	1.790 Abs	0.2102 ng/mL		0.2000	C01
Std2	Microcystins ADDA	1.892 Abs	0.1632 ng/mL		0.2000	D01
Std3	Microcystins ADDA	1.465 Abs	0.4250 ng/mL		0.4000	E01
Std3	Microcystins ADDA	1.418 Abs	0.4687 ng/mL		0.4000	F01
Std4	Microcystins ADDA	1.108 Abs	0.9270 ng/mL		1.0000	G01
Std4	Microcystins ADDA	1.134 Abs	0.8710 ng/mL		1.0000	H01
Std5	Microcystins ADDA	0.812 Abs	2.2535 ng/mL		2.0000	A02
Std5	Microcystins ADDA	0.844 Abs	1.9945 ng/mL		2.0000	B02
Std6	Microcystins ADDA	0.668 Abs	4.7900 ng/mL		5.0000	C02
Std6	Microcystins ADDA	0.651 Abs	> 5.0000 ng/mL		5.0000	D02
Normal Control	Microcystins ADDA	1.296 Abs	0.6060 ng/mL			F02
AB13578	Microcystins ADDA	2.176 Abs	0.0616 ng/mL	**LOW**	0.2000 - 5.0000	G02
AB13578	Microcystins ADDA	2.235 Abs [2.2055]	0.0445 ng/mL [0.0529]	Low [Low]	0.2000 - 5.0000	H02
AB13575	Microcystins ADDA	2.074 Abs	0.0940 ng/mL	**LOW**	0.2000 - 5.0000	A03
AB13575	Microcystins ADDA	2.245 Abs [2.1595]	0.0417 ng/mL [0.0666]	Low [Low]	0.2000 - 5.0000	B03
AB13576	Microcystins ADDA	2.281 Abs	0.0318 ng/mL	**LOW**	0.2000 - 5.0000	C03
AB13576	Microcystins ADDA	2.436 Abs [2.3585]	< 0.0000 ng/mL [0.0116]	Out(LR) [Low]	0.2000 - 5.0000	D03
AB13578LD	Microcystins ADDA	2.114 Abs	0.0809 ng/mL	**LOW**	0.2000 - 5.0000	E03
AB13578LD	Microcystins ADDA	1.971 Abs [2.0425]	0.1312 ng/mL [0.1049]	Low [Low]	0.2000 - 5.0000	F03
20130701LB	Microcystins ADDA	2.332 Abs	0.0183 ng/mL	**LOW**	0.2000 - 5.0000	G03
20130701LB	Microcystins ADDA	2.341 Abs [2.3365]	0.0160 ng/mL [0.0171]	Low [Low]	0.2000 - 5.0000	H03

Notes

Signature Betty Rastich

7/3/13

Microcystin ADDA ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB13578	Hardy Lake SRA	7/1/2013	7/2/2013	< 0.200
AB13575	Field Duplicate (Hardy Lake SRA)	7/1/2013	7/2/2013	< 0.200
AB13576	Field Blank	7/1/2013	7/2/2013	< 0.200
AB13578LD	Lab Duplicate (Hardy Lake SRA)	7/1/2013	7/2/2013	< 0.200
20130701LB	Lab Blank	7/1/2013	7/2/2013	< 0.200