



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB33756	Lost Bridge West SRA	7/30/2018	8/1/2018	< 0.05
AB33757	Potato Creek SP	7/30/2018	8/1/2018	< 0.05
AB33758	Chain O'Lakes SP	7/30/2018	8/1/2018	< 0.05
AB33759	Potato Creek (Field Duplicate)	7/30/2018	8/1/2018	< 0.05
AB33760	Field Blank	7/30/2018	8/1/2018	< 0.05
AB33761	Dog Park Lake	7/30/2018	8/1/2018	< 0.05
AB33756LD	Lost Bridge West (Lab Duplicate)	7/30/2018	8/1/2018	< 0.05
20180731LB	Lab Blank	7/31/2018	8/1/2018	< 0.05



Test Report

Test Information

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference	Position
8/1/2018 11:42:21 AM						
Std1	Cyindrospermopsin 1X	1.037 Abs	< 0.000 ng/mL		0.000	A01
Std1	Cyindrospermopsin 1X	1.034 Abs	0.000 ng/mL		0.000	B01
Std2	Cyindrospermopsin 1X	0.869 Abs	0.052 ng/mL		0.050	C01
Std2	Cyindrospermopsin 1X	0.886 Abs	0.045 ng/mL		0.050	D01
Std3	Cyindrospermopsin 1X	0.749 Abs	0.117 ng/mL		0.100	E01
Std3	Cyindrospermopsin 1X	0.802 Abs	0.085 ng/mL		0.100	F01
Std4	Cyindrospermopsin 1X	0.582 Abs	0.295 ng/mL		0.250	G01
Std4	Cyindrospermopsin 1X	0.626 Abs	0.232 ng/mL		0.250	H01
Std5	Cyindrospermopsin 1X	0.495 Abs	0.488 ng/mL		0.500	A02
Std5	Cyindrospermopsin 1X	0.519 Abs	0.422 ng/mL		0.500	B02
Std6	Cyindrospermopsin 1X	0.384 Abs	1.111 ng/mL		1.000	C02
Std6	Cyindrospermopsin 1X	0.382 Abs	1.132 ng/mL		1.000	D02
Std7	Cyindrospermopsin 1X	0.312 Abs	> 2.000 ng/mL		2.000	E02
Std7	Cyindrospermopsin 1X	0.357 Abs	1.457 ng/mL		2.000	F02
Normal Control	Cyindrospermopsin 1X	0.428 Abs	0.770 ng/mL			G02
Normal Control	Cyindrospermopsin 1X	0.465 Abs	0.593 ng/mL			H02
AB33756	Cyindrospermopsin 1X	1.065 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A03
AB33756	Cyindrospermopsin 1X	1.040 Abs [1.0525] {1.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B03
AB33757	Cyindrospermopsin 1X	1.066 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	C03
AB33757	Cyindrospermopsin 1X	1.039 Abs [1.0525] {1.8 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	D03
AB33758	Cyindrospermopsin 1X	1.040 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E03
AB33758	Cyindrospermopsin 1X	1.107 Abs [1.0735] {4.4 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F03
AB33759	Cyindrospermopsin 1X	1.079 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G03
AB33759	Cyindrospermopsin 1X	1.107 Abs [1.0930] {1.8 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H03
AB33760	Cyindrospermopsin 1X	1.077 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	A04
AB33760	Cyindrospermopsin 1X	1.114 Abs [1.0955] {2.4 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	B04
AB33761	Cyindrospermopsin 1X	0.913 Abs	0.035 ng/mL	LOW	0.050 - 2.000	C04
AB33761	Cyindrospermopsin 1X	0.906 Abs [0.9095] {0.5 CV}	0.038 ng/mL [0.036] {5.8 CV}	Low [Low]	0.050 - 2.000	D04
AB33756LD	Cyindrospermopsin 1X	1.071 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	E04
AB33756LD	Cyindrospermopsin 1X	1.097 Abs [1.0840] {1.7 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	F04
20180731LB	Cyindrospermopsin 1X	1.090 Abs	< 0.000 ng/mL	Out(LR)	0.050 - 2.000	G04
20180731LB	Cyindrospermopsin 1X	1.110 Abs [1.1000] {1.3 CV}	< 0.000 ng/mL [< 0.000]	Out(LR) [Out(LR)]	0.050 - 2.000	H04

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

8/1/2018

Date



Assay Calibration Report

Assay Information

Assay Name: Cylindrospermopsin 1X

Assay Mode: 4-Parameter Logistic Weight by:None

Normal: 0.050 - 2.000

Units: ng/mL

of decimals: 3

Assay Description:

Controls:

Normal Control

Standards:

Std1, Concentration = 0.000, Minimum number to use: 2

Std2, Concentration = 0.050, Minimum number to use: 2

Std3, Concentration = 0.100, Minimum number to use: 2

Std4, Concentration = 0.250, Minimum number to use: 2

Std5, Concentration = 0.500, Minimum number to use: 2

Std6, Concentration = 1.000, Minimum number to use: 2

Std7, Concentration = 2.000, Minimum number to use: 2

Curve valid interval: 7 days 0 hours

Assay Calibration and Statistics

Name	Absorbance	Concentration	Position
8/1/2018 11:42:21 AM			
Std1	1.037 Abs	< 0.000 ng/mL	A01
Std1	1.034 Abs	0.000 ng/mL	B01
Std2	0.869 Abs	0.052 ng/mL	C01
Std2	0.886 Abs	0.045 ng/mL	D01
Std3	0.749 Abs	0.117 ng/mL	E01
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Std6	0.382 Abs	1.132 ng/mL	D02
Std7	0.312 Abs	> 2.000 ng/mL	E02
Std7	0.357 Abs	1.457 ng/mL	F02
8/1/2018 11:42:21 AM			
Normal Control	0.465 Abs	0.593 ng/mL	H02
Normal Control	0.428 Abs	0.770 ng/mL	G02

Name	Mean Abs	SD Abs	CV Abs	Mean Conc	SD Conc	CV Conc	Diff Conc
Std1	1.036	0.002	0.20				
Std2	0.877	0.012	1.37	0.049	0.005	10.21	-2.00
Std3	0.775	0.037	4.83	0.101	0.023	22.40	1.00
Std4	0.604	0.031	5.15	0.263	0.045	16.91	5.20
Std5	0.507	0.017	3.35	0.455	0.047	10.26	-9.00
Std6	0.383	0.001	0.37	1.122	0.015	1.32	12.20
Std7	0.335	0.032	9.51				-100.00
Normal Control	0.447	0.026	5.86	0.681	0.125	18.37	

