



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AC45578	Cecil M. Harden Lake - Raccoon Lake SRA Beach	6/23/2025	6/25/2025	< 0.30
AC45579	Cagles Mill Lake - Lieber SRA Beach	6/23/2025	6/25/2025	< 0.30
AC45580	Whitewater Memorial SP - Whitewater Lake Beach	6/24/2025	6/25/2025	0.36
AC45581	Brookville Lake - Mounds SRA Beach	6/24/2025	6/25/2025	< 0.30
AC45582	Cagles Mill Lake - Lieber SRA Beach (Field Duplicate)	6/24/2025	6/25/2025	< 0.30
AC45583	Field Blank	6/24/2025	6/25/2025	< 0.30
AC45650	Potato Creek SP - Worster Lake Beach	6/23/2025	6/25/2025	< 0.30

Test Report (by Request)

Test Information

Request: 6/25/2025 4:57:02 PM
Date: 6/25/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
MCT Std 0	MICROCYSTINS ADDA 54	1.186 Abs	0.010 µg/L	R^2=0.99824, 99.24		0.000	Kit:240446
MCT Std 0	MICROCYSTINS ADDA 54	1.204 Abs [1.1950] {1.1 C	0.000 µg/L [0.005]	R^2=0.99824, 100.7		0.000	Kit:240446
MCT Std 1	MICROCYSTINS ADDA 54	1.002 Abs	0.138 µg/L	R^2=0.99824, 83.84		0.150	Kit:240446
MCT Std 1	MICROCYSTINS ADDA 54	0.999 Abs [1.0005] {0.2 C	0.140 µg/L [0.139]	R^2=0.99824, 83.55		0.150	Kit:240446
MCT Std 2	MICROCYSTINS ADDA 54	0.746 Abs	0.405 µg/L	R^2=0.99824, 62.42		0.400	Kit:240446
MCT Std 2	MICROCYSTINS ADDA 54	0.721 Abs [0.7335] {2.4 C	0.443 µg/L [0.424]	R^2=0.99824, 60.33		0.400	Kit:240446
MCT Std 3	MICROCYSTINS ADDA 54	0.504 Abs	0.985 µg/L	R^2=0.99824, 42.17		1.000	Kit:240446
MCT Std 3	MICROCYSTINS ADDA 54	0.487 Abs [0.4955] {2.4 C	1.058 µg/L [1.022]	R^2=0.99824, 40.75		1.000	Kit:240446
MCT Std 4	MICROCYSTINS ADDA 54	0.383 Abs	1.751 µg/L	R^2=0.99824, 32.05		2.000	Kit:240446
MCT Std 4	MICROCYSTINS ADDA 54	0.384 Abs [0.3835] {0.2 C	1.741 µg/L [1.746]	R^2=0.99824, 32.13		2.000	Kit:240446
MCT Std 5	MICROCYSTINS ADDA 54	0.250 Abs	> 5.000 µg/L	20.921 %Abs		5.000	Kit:240446
MCT Std 5	MICROCYSTINS ADDA 54	0.240 Abs [0.2450] {2.9 C	> 5.000 µg/L	20.084 %Abs		5.000	Kit:240446
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.168 Abs	0.023 µg/L	97.741 %Abs			Kit:240446
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.150 Abs [1.1590] {1.1 C	0.035 µg/L [0.029]	96.234 %Abs [96.9			Kit:240446
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.753 Abs	0.395 µg/L	63.013 %Abs			Kit:240446
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.660 Abs [0.7065] {9.3 C	0.549 µg/L [0.472]	55.230 %Abs [59.1			Kit:240446
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.701 Abs	0.475 µg/L	58.661 %Abs			Kit:240446
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.718 Abs [0.7095] {1.7 C	0.448 µg/L [0.462]	60.084 %Abs [59.3			Kit:240446

Note

* A - Abs > 3; IA - Initial Abs; DA - Delta Abs; SD - SD of Abs; LR - Linear Range; [...] - Mean result of duplicate tests
* Generated by software version (6.4.1.1171/1085/1.00/0.95) 6/26/2025 2:33:33 PM

Signature *David Jordan*

David Jordan 6/25/2025

Test Information							
Request: 6/25/2025 4:58:21 PM							
Date: 6/25/2025							
Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
AC45578	MICROCYSTINS ADDA 54	1.131 Abs	0.047 µg/L	Low, 94.644 %Abs		0.300 - 5.000	Kit:24044(
AC45578	MICROCYSTINS ADDA 54	1.110 Abs [1.1205] {1.3 C	0.061 µg/L [0.054]	Low, 92.887 %Abs		0.300 - 5.000	Kit:24044(
AC45579	MICROCYSTINS ADDA 54	1.050 Abs	0.102 µg/L	Low, 87.866 %Abs		0.300 - 5.000	Kit:24044(
AC45579	MICROCYSTINS ADDA 54	1.040 Abs [1.0450] {0.7 C	0.110 µg/L [0.106]	Low, 87.029 %Abs		0.300 - 5.000	Kit:24044(
AC45580	MICROCYSTINS ADDA 54	0.834 Abs	0.294 µg/L	Low, 69.791 %Abs		0.300 - 5.000	Kit:24044(
AC45580	MICROCYSTINS ADDA 54	0.730 Abs [0.7820] {9.4 C	0.429 µg/L [0.362]	61.088 %Abs [65.4		0.300 - 5.000	Kit:24044(
AC45580MS	MICROCYSTINS ADDA 54	0.524 Abs	0.909 µg/L	43.849 %Abs		0.300 - 5.000	Kit:24044(
AC45580MS	MICROCYSTINS ADDA 54	0.538 Abs [0.5310] {1.9 C	0.860 µg/L [0.885]	45.021 %Abs [44.4		0.300 - 5.000	Kit:24044(
AC45580MSD	MICROCYSTINS ADDA 54	0.513 Abs	0.950 µg/L	42.929 %Abs		0.300 - 5.000	Kit:24044(
AC45580MSD	MICROCYSTINS ADDA 54	0.526 Abs [0.5195] {1.8 C	0.901 µg/L [0.926]	44.017 %Abs [43.4		0.300 - 5.000	Kit:24044(
AC45581	MICROCYSTINS ADDA 54	1.000 Abs	0.140 µg/L	Low, 83.682 %Abs		0.300 - 5.000	Kit:24044(
AC45581	MICROCYSTINS ADDA 54	0.997 Abs [0.9985] {0.2 C	0.142 µg/L [0.141]	Low, 83.431 %Abs		0.300 - 5.000	Kit:24044(
AC45582	MICROCYSTINS ADDA 54	1.043 Abs	0.107 µg/L	Low, 87.280 %Abs		0.300 - 5.000	Kit:24044(
AC45582	MICROCYSTINS ADDA 54	0.927 Abs [0.9850] {8.3 C	0.201 µg/L [0.154]	Low, 77.573 %Abs		0.300 - 5.000	Kit:24044(
AC45583	MICROCYSTINS ADDA 54	1.219 Abs	0.000 µg/L	Low, 102.008 %Abs		0.300 - 5.000	Kit:24044(
AC45583	MICROCYSTINS ADDA 54	1.238 Abs [1.2285] {1.1 C	0.000 µg/L [0.000]	Low, 103.598 %Abs		0.300 - 5.000	Kit:24044(
AC45650	MICROCYSTINS ADDA 54	1.058 Abs	0.097 µg/L	Low, 88.536 %Abs		0.300 - 5.000	Kit:24044(
AC45650	MICROCYSTINS ADDA 54	1.037 Abs [1.0475] {1.4 C	0.112 µg/L [0.105]	Low, 86.778 %Abs		0.300 - 5.000	Kit:24044(
LFB 2	MICROCYSTINS ADDA 54	0.712 Abs	0.457 µg/L	59.582 %Abs		0.300 - 5.000	Kit:24044(
LFB 2	MICROCYSTINS ADDA 54	0.692 Abs [0.7020] {2.0 C	0.491 µg/L [0.474]	57.908 %Abs [58.7		0.300 - 5.000	Kit:24044(
LRB 2	MICROCYSTINS ADDA 54	1.192 Abs	0.006 µg/L	Low, 99.749 %Abs		0.300 - 5.000	Kit:24044(
LRB 2	MICROCYSTINS ADDA 54	1.075 Abs [1.1335] {7.3 C	0.085 µg/L [0.046]	Low, 89.958 %Abs		0.300 - 5.000	Kit:24044(
Note							

Signature

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