



## Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AB47638	Summit Lake - State Park	6/22/2021	6/23/2021	< 0.30
AB47639	Kunkel Beach @ Oubache State Park	6/21/2021	6/23/2021	< 0.30
AB47640	Pokagon State Park	6/21/2021	6/23/2021	< 0.30
AB47641	Potawatomi Inn's Beach	6/21/2021	6/23/2021	< 0.30
AB47642	Chain O'Lakes SP	6/21/2021	6/23/2021	< 0.30
AB47643	Potato Creek State Park	6/21/2021	6/23/2021	< 0.30
AB47644	Lost Bridge West SRA	6/21/2021	6/23/2021	< 0.30
AB47645	Mississinewa Lake Miami SRA	6/21/2021	6/23/2021	0.44
AB47646	Summit Lake - State Park (Field Dup)	6/22/2021	6/23/2021	< 0.30
AB47647	Field Blank	6/21/2021	6/23/2021	< 0.30
AB47648	Lincoln State Park	6/21/2021	6/23/2021	< 0.30
AB47649	Ferdinand State Forest Lake	6/21/2021	6/23/2021	< 0.30
AB47650	Patoka SRA Beach	6/21/2021	6/23/2021	< 0.30
AB47652	Ft. Ben Harrison SP Dog Lake - East	6/21/2021	6/23/2021	< 0.30

# Test Report (by Request)

**Test Information**

Request: 6/23/2021 3:54:02 PM  
Date: 6/23/2021

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
MCT Std 0	MICROCYSTINS ADDA 54	1.556 Abs	0.011 µg/L	R^2=0.99752, 99.17			20J4209
MCT Std 0	MICROCYSTINS ADDA 54	1.581 Abs [1.5685] {1.1 C	0.000 µg/L [0.006]	R^2=0.99752, 100.7			20J4209
MCT Std 1	MICROCYSTINS ADDA 54	1.339 Abs	0.118 µg/L	R^2=0.99752, 85.34			20J4209
MCT Std 1	MICROCYSTINS ADDA 54	1.280 Abs [1.3095] {3.2 C	0.152 µg/L [0.135]	R^2=0.99752, 81.58			20J4209
MCT Std 2	MICROCYSTINS ADDA 54	0.956 Abs	0.420 µg/L	R^2=0.99752, 60.93			20J4209
MCT Std 2	MICROCYSTINS ADDA 54	0.924 Abs [0.9400] {2.4 C	0.459 µg/L [0.439]	R^2=0.99752, 58.85			20J4209
MCT Std 3	MICROCYSTINS ADDA 54	0.677 Abs	0.936 µg/L	R^2=0.99752, 43.14			20J4209
MCT Std 3	MICROCYSTINS ADDA 54	0.651 Abs [0.6640] {2.8 C	1.018 µg/L [0.977]	R^2=0.99752, 41.45			20J4209
MCT Std 4	MICROCYSTINS ADDA 54	0.505 Abs	1.780 µg/L	R^2=0.99752, 32.18			20J4209
MCT Std 4	MICROCYSTINS ADDA 54	0.507 Abs [0.5060] {0.3 C	1.763 µg/L [1.771]	R^2=0.99752, 32.31			20J4209
MCT Std 5	MICROCYSTINS ADDA 54	0.341 Abs	> 5.000 µg/L	21.734 %Abs			20J4209
MCT Std 5	MICROCYSTINS ADDA 54	0.325 Abs [0.3330] {3.4 C	> 5.000 µg/L	20.714 %Abs			20J4209
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.461 Abs	0.056 µg/L	93.117 %Abs			20J4209
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.465 Abs [1.4630] {0.2 C	0.054 µg/L [0.055]	93.372 %Abs [93.2			20J4209
MCT 546 Low-CV	MICROCYSTINS ADDA 54	1.069 Abs	0.306 µg/L	68.133 %Abs			20J4209
MCT 546 Low-CV	MICROCYSTINS ADDA 54	1.038 Abs [1.0535] {2.1 C	0.334 µg/L [0.320]	66.157 %Abs [67.1			20J4209
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.839 Abs	0.580 µg/L	53.474 %Abs			20J4209
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.870 Abs [0.8545] {2.6 C	0.532 µg/L [0.556]	55.449 %Abs [54.4			20J4209

**Note**

Signature \_\_\_\_\_

Charles Hostetter 6/24/2021

\* 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 (6.4.1.1139/1085/1.00/0.95) 6/24/2021 1:59:08 PM

# Test Report (by Request)

**Test Information**

 Request: 6/23/2021 3:55:25 PM  
 Date: 6/23/2021

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
AB47638	MICROCYSTINS ADDA 54	1.506 Abs	0.034 µg/L	Low, 95.985 %Abs		0.300 - 5.000	20J4209
AB47638	MICROCYSTINS ADDA 54	1.470 Abs [1.4880] {1.7 C	0.051 µg/L [0.043]	Low, 93.690 %Abs		0.300 - 5.000	20J4209
AB47639	MICROCYSTINS ADDA 54	1.429 Abs	0.071 µg/L	Low, 91.077 %Abs		0.300 - 5.000	20J4209
AB47639	MICROCYSTINS ADDA 54	1.430 Abs [1.4295] {0.0 C	0.071 µg/L [0.071]	Low, 91.141 %Abs		0.300 - 5.000	20J4209
AB47640	MICROCYSTINS ADDA 54	1.425 Abs	0.073 µg/L	Low, 90.822 %Abs		0.300 - 5.000	20J4209
AB47640	MICROCYSTINS ADDA 54	1.422 Abs [1.4235] {0.1 C	0.075 µg/L [0.074]	Low, 90.631 %Abs		0.300 - 5.000	20J4209
AB47641	MICROCYSTINS ADDA 54	1.457 Abs	0.058 µg/L	Low, 92.862 %Abs		0.300 - 5.000	20J4209
AB47641	MICROCYSTINS ADDA 54	1.477 Abs [1.4670] {1.0 C	0.048 µg/L [0.053]	Low, 94.136 %Abs		0.300 - 5.000	20J4209
AB47642	MICROCYSTINS ADDA 54	1.476 Abs	0.049 µg/L	Low, 94.073 %Abs		0.300 - 5.000	20J4209
AB47642	MICROCYSTINS ADDA 54	1.459 Abs [1.4675] {0.8 C	0.057 µg/L [0.053]	Low, 92.989 %Abs		0.300 - 5.000	20J4209
AB47643	MICROCYSTINS ADDA 54	1.379 Abs	0.097 µg/L	Low, 87.890 %Abs		0.300 - 5.000	20J4209
AB47643	MICROCYSTINS ADDA 54	1.374 Abs [1.3765] {0.3 C	0.099 µg/L [0.098]	Low, 87.572 %Abs		0.300 - 5.000	20J4209
AB47643MS	MICROCYSTINS ADDA 54	0.773 Abs	0.700 µg/L	49.267 %Abs		0.300 - 5.000	20J4209
AB47643MS	MICROCYSTINS ADDA 54	0.722 Abs [0.7475] {4.8 C	0.814 µg/L [0.757]	46.017 %Abs [47.6		0.300 - 5.000	20J4209
AB47643MSD	MICROCYSTINS ADDA 54	0.808 Abs	0.633 µg/L	51.498 %Abs		0.300 - 5.000	20J4209
AB47643MSD	MICROCYSTINS ADDA 54	0.790 Abs [0.7990] {1.6 C	0.667 µg/L [0.650]	50.351 %Abs [50.9		0.300 - 5.000	20J4209
AB47644	MICROCYSTINS ADDA 54	1.271 Abs	0.158 µg/L	Low, 81.007 %Abs		0.300 - 5.000	20J4209
AB47644	MICROCYSTINS ADDA 54	1.229 Abs [1.2500] {2.4 C	0.184 µg/L [0.171]	Low, 78.330 %Abs		0.300 - 5.000	20J4209
AB47645	MICROCYSTINS ADDA 54	0.944 Abs	0.434 µg/L	60.166 %Abs		0.300 - 5.000	20J4209
AB47645	MICROCYSTINS ADDA 54	0.929 Abs [0.9365] {1.1 C	0.453 µg/L [0.443]	59.210 %Abs [59.6		0.300 - 5.000	20J4209
AB47646	MICROCYSTINS ADDA 54	1.407 Abs	0.082 µg/L	Low, 89.675 %Abs		0.300 - 5.000	20J4209
AB47646	MICROCYSTINS ADDA 54	1.403 Abs [1.4050] {0.2 C	0.084 µg/L [0.083]	Low, 89.420 %Abs		0.300 - 5.000	20J4209
AB47647	MICROCYSTINS ADDA 54	1.535 Abs	0.021 µg/L	Low, 97.833 %Abs		0.300 - 5.000	20J4209
AB47647	MICROCYSTINS ADDA 54	1.526 Abs [1.5305] {0.4 C	0.025 µg/L [0.023]	Low, 97.259 %Abs		0.300 - 5.000	20J4209
AB47648	MICROCYSTINS ADDA 54	1.427 Abs	0.072 µg/L	Low, 90.950 %Abs		0.300 - 5.000	20J4209
AB47648	MICROCYSTINS ADDA 54	1.383 Abs [1.4050] {2.2 C	0.095 µg/L [0.083]	Low, 88.145 %Abs		0.300 - 5.000	20J4209
AB47649	MICROCYSTINS ADDA 54	1.268 Abs	0.159 µg/L	Low, 80.816 %Abs		0.300 - 5.000	20J4209
AB47649	MICROCYSTINS ADDA 54	1.260 Abs [1.2640] {0.4 C	0.164 µg/L [0.162]	Low, 80.306 %Abs		0.300 - 5.000	20J4209
AB47650	MICROCYSTINS ADDA 54	1.426 Abs	0.073 µg/L	Low, 90.886 %Abs		0.300 - 5.000	20J4209
AB47650	MICROCYSTINS ADDA 54	1.392 Abs [1.4090] {1.7 C	0.090 µg/L [0.082]	Low, 88.719 %Abs		0.300 - 5.000	20J4209
AB47652	MICROCYSTINS ADDA 54	1.467 Abs	0.053 µg/L	Low, 93.499 %Abs		0.300 - 5.000	20J4209
AB47652	MICROCYSTINS ADDA 54	1.515 Abs [1.4910] {2.3 C	0.030 µg/L [0.041]	Low, 96.558 %Abs		0.300 - 5.000	20J4209
LFB 2	MICROCYSTINS ADDA 54	0.850 Abs	0.563 µg/L	54.175 %Abs		0.300 - 5.000	20J4209
LFB 2	MICROCYSTINS ADDA 54	0.826 Abs [0.8380] {2.0 C	0.602 µg/L [0.582]	52.645 %Abs [53.4		0.300 - 5.000	20J4209
LRB 2	MICROCYSTINS ADDA 54	1.445 Abs	0.064 µg/L	Low, 92.097 %Abs		0.300 - 5.000	20J4209
LRB 2	MICROCYSTINS ADDA 54	1.438 Abs [1.4415] {0.3 C	0.067 µg/L [0.066]	Low, 91.651 %Abs		0.300 - 5.000	20J4209

**Note**

Signature

Charles Hostetter 6/24/2021