



Microcystins ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AC46374	Cecil M. Harden Lake - Raccoon Lake SRA Beach	8/18/2025	8/20/2025	< 0.30
AC46375	Cagles Mill Lake - Lieber SRA Beach	8/18/2025	8/20/2025	< 0.30
AC46376	Monroe Lake - Fairfax SRA Beach	8/18/2025	8/20/2025	< 0.30
AC46377	Monroe Lake - Paynetown SRA Beach	8/18/2025	8/20/2025	< 0.30
AC46378	Starve Hollow SRA - Starve Hollow Lake Beach	8/18/2025	8/20/2025	< 0.30
AC46379	Whitewater Memorial SP - Whitewater Lake Beach	8/19/2025	8/20/2025	< 0.30
AC46380	Brookville Lake - Quakertown SRA Beach	8/19/2025	8/20/2025	< 0.30
AC46381	Brookville Lake - Mounds SRA Beach	8/19/2025	8/20/2025	< 0.30
AC46382	Hardy Lake SRA - Hardy Lake SRA Beach	8/19/2025	8/20/2025	< 0.30
AC46383	Monroe Lake - Fairfax SRA Beach (Field Duplicate)	8/18/2025	8/20/2025	< 0.30
AC46384	Field Blank	8/18/2025	8/20/2025	< 0.30
AC46385	Ft. Ben Harrison SP Dog Lake	8/18/2025	8/20/2025	< 0.30
AC46386	Mississinewa Lake - Miami SRA Beach	8/18/2025	8/20/2025	25
AC46407	Mississinewa Lake - Miami SRA Beach	8/20/2025	8/21/2025	18

Test Information

Request: 8/20/2025 3:18:19 PM
Date: 8/20/2025 - 8/20/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
MCT Std 0	MICROCYSTINS ADDA 54	1.393 Abs	0.000 µg/L	R^2=0.99881, 102.0		0.000	Kit:25085(
MCT Std 0	MICROCYSTINS ADDA 54	1.337 Abs [1.3650] {2.9 C	0.017 µg/L [0.009]	R^2=0.99881, 97.94		0.000	Kit:25085(
MCT Std 1	MICROCYSTINS ADDA 54	1.156 Abs	0.157 µg/L	R^2=0.99881, 84.68		0.150	Kit:25085(
MCT Std 1	MICROCYSTINS ADDA 54	1.138 Abs [1.1470] {1.1 C	0.173 µg/L [0.165]	R^2=0.99881, 83.37		0.150	Kit:25085(
MCT Std 2	MICROCYSTINS ADDA 54	0.948 Abs	0.390 µg/L	R^2=0.99881, 69.45		0.400	Kit:25085(
MCT Std 2	MICROCYSTINS ADDA 54	0.969 Abs [0.9585] {1.5 C	0.361 µg/L [0.376]	R^2=0.99881, 70.98		0.400	Kit:25085(
MCT Std 3	MICROCYSTINS ADDA 54	0.699 Abs	0.917 µg/L	R^2=0.99881, 51.20		1.000	Kit:25085(
MCT Std 3	MICROCYSTINS ADDA 54	0.649 Abs [0.6740] {5.2 C	1.094 µg/L [1.006]	R^2=0.99881, 47.54		1.000	Kit:25085(
MCT Std 4	MICROCYSTINS ADDA 54	0.488 Abs	2.114 µg/L	R^2=0.99881, 35.75		2.000	Kit:25085(
MCT Std 4	MICROCYSTINS ADDA 54	0.481 Abs [0.4845] {1.0 C	2.187 µg/L [2.151]	R^2=0.99881, 35.23		2.000	Kit:25085(
MCT Std 5	MICROCYSTINS ADDA 54	0.353 Abs	4.948 µg/L	R^2=0.99881, 25.86		5.000	Kit:25085(
MCT Std 5	MICROCYSTINS ADDA 54	0.366 Abs [0.3595] {2.6 C	4.434 µg/L [4.691]	R^2=0.99881, 26.81		5.000	Kit:25085(
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.316 Abs	0.031 µg/L	96.410 %Abs			Kit:25085(
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.261 Abs [1.2885] {3.0 C	0.071 µg/L [0.051]	92.381 %Abs [94.3			Kit:25085(
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.936 Abs	0.407 µg/L	68.571 %Abs			Kit:25085(
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.928 Abs [0.9320] {0.6 C	0.419 µg/L [0.413]	67.985 %Abs [68.2			Kit:25085(
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.841 Abs	0.566 µg/L	61.612 %Abs			Kit:25085(
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.814 Abs [0.8275] {2.3 C	0.620 µg/L [0.593]	59.634 %Abs [60.6			Kit:25085(

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) 8/21/2025 3:16:57 PM

Signature *David Jordan*

David Jordan 8/20/2025

Test Report (by Request)

Test Information

Request: 8/20/2025 3:20:11 PM
Date: 8/20/2025 - 8/20/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
AC46374	MICROCYSTINS ADDA 54	1.179 Abs	0.137 µg/L	Low, 86.374 %Abs		0.300 - 5.000	Kit:25085(
AC46374	MICROCYSTINS ADDA 54	1.177 Abs [1.1780] {0.1 C	0.138 µg/L [0.138]			0.300 - 5.000	Kit:25085(
AC46375	MICROCYSTINS ADDA 54	1.136 Abs	0.175 µg/L	Low, 83.223 %Abs		0.300 - 5.000	Kit:25085(
AC46375	MICROCYSTINS ADDA 54	1.112 Abs [1.1240] {1.5 C	0.198 µg/L [0.187]			0.300 - 5.000	Kit:25085(
AC46376	MICROCYSTINS ADDA 54	1.076 Abs	0.234 µg/L	Low, 78.828 %Abs		0.300 - 5.000	Kit:25085(
AC46376	MICROCYSTINS ADDA 54	1.142 Abs [1.1090] {4.2 C	0.169 µg/L [0.202]			0.300 - 5.000	Kit:25085(
AC46377	MICROCYSTINS ADDA 54	1.210 Abs	0.111 µg/L	Low, 88.645 %Abs		0.300 - 5.000	Kit:25085(
AC46377	MICROCYSTINS ADDA 54	1.190 Abs [1.2000] {1.2 C	0.127 µg/L [0.119]			0.300 - 5.000	Kit:25085(
AC46378	MICROCYSTINS ADDA 54	1.171 Abs	0.144 µg/L	Low, 85.788 %Abs		0.300 - 5.000	Kit:25085(
AC46378	MICROCYSTINS ADDA 54	1.167 Abs [1.1690] {0.2 C	0.147 µg/L [0.146]			0.300 - 5.000	Kit:25085(
AC46379	MICROCYSTINS ADDA 54	1.108 Abs	0.202 µg/L	Low, 81.172 %Abs		0.300 - 5.000	Kit:25085(
AC46379	MICROCYSTINS ADDA 54	1.071 Abs [1.0895] {2.4 C	0.239 µg/L [0.221]			0.300 - 5.000	Kit:25085(
AC46380	MICROCYSTINS ADDA 54	1.133 Abs	0.178 µg/L	Low, 83.004 %Abs		0.300 - 5.000	Kit:25085(
AC46380	MICROCYSTINS ADDA 54	1.125 Abs [1.1290] {0.5 C	0.185 µg/L [0.182]			0.300 - 5.000	Kit:25085(
AC46381	MICROCYSTINS ADDA 54	1.163 Abs	0.151 µg/L	Low, 85.201 %Abs		0.300 - 5.000	Kit:25085(
AC46381	MICROCYSTINS ADDA 54	1.103 Abs [1.1330] {3.7 C	0.206 µg/L [0.179]			0.300 - 5.000	Kit:25085(
AC46381MS	MICROCYSTINS ADDA 54	0.690 Abs	0.946 µg/L	50.549 %Abs		0.300 - 5.000	Kit:25085(
AC46381MS	MICROCYSTINS ADDA 54	0.675 Abs [0.6825] {1.6 C	0.997 µg/L [0.972]	49.451 %Abs [50.0		0.300 - 5.000	Kit:25085(
AC46381MSD	MICROCYSTINS ADDA 54	0.674 Abs	1.001 µg/L	49.377 %Abs		0.300 - 5.000	Kit:25085(
AC46381MSD	MICROCYSTINS ADDA 54	0.661 Abs [0.6675] {1.4 C	1.048 µg/L [1.025]	48.425 %Abs [48.9		0.300 - 5.000	Kit:25085(
AC46382	MICROCYSTINS ADDA 54	1.146 Abs	0.166 µg/L	Low, 83.956 %Abs		0.300 - 5.000	Kit:25085(
AC46382	MICROCYSTINS ADDA 54	1.157 Abs [1.1515] {0.7 C	0.156 µg/L [0.161]			0.300 - 5.000	Kit:25085(
AC46383	MICROCYSTINS ADDA 54	1.156 Abs	0.157 µg/L	Low, 84.689 %Abs		0.300 - 5.000	Kit:25085(
AC46383	MICROCYSTINS ADDA 54	1.145 Abs [1.1505] {0.7 C	0.167 µg/L [0.162]			0.300 - 5.000	Kit:25085(
AC46384	MICROCYSTINS ADDA 54	1.322 Abs	0.027 µg/L	Low, 96.850 %Abs		0.300 - 5.000	Kit:25085(
AC46384	MICROCYSTINS ADDA 54	1.242 Abs [1.2820] {4.4 C	0.086 µg/L [0.057]			0.300 - 5.000	Kit:25085(
AC46385	MICROCYSTINS ADDA 54	1.244 Abs	0.084 µg/L	Low, 91.136 %Abs		0.300 - 5.000	Kit:25085(
AC46385	MICROCYSTINS ADDA 54	1.227 Abs [1.2355] {1.0 C	0.097 µg/L [0.091]			0.300 - 5.000	Kit:25085(
AC46386 10X	MICROCYSTINS ADDA 54	0.462 Abs	24.070 µg/L	High, 33.846 %Abs	MDF=10.000	0.300 - 5.000	Kit:25085(
AC46386 10X	MICROCYSTINS ADDA 54	0.455 Abs [0.4585] {1.1 C	24.970 µg/L [24.52		MDF=10.000	0.300 - 5.000	Kit:25085(
LFB 2	MICROCYSTINS ADDA 54	0.829 Abs	0.589 µg/L	60.733 %Abs		0.300 - 5.000	Kit:25085(
LFB 2	MICROCYSTINS ADDA 54	0.841 Abs [0.8350] {1.0 C	0.566 µg/L [0.578]	61.612 %Abs [61.1		0.300 - 5.000	Kit:25085(
LRB 2	MICROCYSTINS ADDA 54	1.353 Abs	0.005 µg/L	Low, 99.121 %Abs		0.300 - 5.000	Kit:25085(
LRB 2	MICROCYSTINS ADDA 54	1.260 Abs [1.3065] {5.0 C	0.072 µg/L [0.039]			0.300 - 5.000	Kit:25085(

Note

Signature 

Assay Information

Assay Name: MICROCYSTINS ADDA 546_

Version: 2

Temperature: Room Temperature

Last Modified By: Security disabled

Units: µg/L

Assay Description:

Assay Substances:

Controls:

MCT 546 LRB 1

MCT 546 Low-CV

MCT 546 LFB 1

Standards:

MCT Std 0, Concentration = 0.000, Minimum number to use: 2

MCT Std 1, Concentration = 0.150, Minimum number to use: 2

MCT Std 2, Concentration = 0.400, Minimum number to use: 2

MCT Std 3, Concentration = 1.000, Minimum number to use: 2

MCT Std 4, Concentration = 2.000, Minimum number to use: 2

MCT Std 5, Concentration = 5.000, Minimum number to use: 2

Curve valid interval: 1 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Mode: 4-Parameter Logistic Weight by:None

Well Type: Flat bottom

Last Modified On: 9/30/2020 10:02:13 AM

Normal: 0.300 - 5.000

of decimals: 3

Kit Lot Number: Kit:2508506858

Assay Calibration

Current Calibration Status: "

"

Name	Absorbance	Concentration	Interpretation	Position	
8/20/2025 3:18:19 PM					
MCT Std 0	1.393 Abs	0.000 µg/L	R ² =0.99881, 102.051 %Abs	RK1:23->A01@2	
MCT Std 0	1.337 Abs [1.3650] {2.9 CV}	0.017 µg/L [0.009] {141.4 CV}	R ² =0.99881, 97.949 %Abs	RK1:23->B01@2	
MCT Std 1	1.156 Abs	0.157 µg/L	R ² =0.99881, 84.689 %Abs	RK1:24->C01@2	
MCT Std 1	1.138 Abs [1.1470] {1.1 CV}	0.173 µg/L [0.165] {6.9 CV}	R ² =0.99881, 83.370 %Abs	RK1:24->D01@2	
MCT Std 2	0.948 Abs	0.390 µg/L	R ² =0.99881, 69.451 %Abs	RK1:25->E01@2	
MCT Std 2	0.969 Abs [0.9585] {1.5 CV}	0.361 µg/L [0.376] {5.5 CV}	R ² =0.99881, 70.989 %Abs	RK1:25->F01@3	
MCT Std 3	0.699 Abs	0.917 µg/L	R ² =0.99881, 51.209 %Abs	RK1:26->G01@3	
MCT Std 3	0.649 Abs [0.6740] {5.2 CV}	1.094 µg/L [1.006] {12.4 CV}	R ² =0.99881, 47.546 %Abs	RK1:26->H01@3	
MCT Std 4	0.488 Abs	2.114 µg/L	R ² =0.99881, 35.751 %Abs	RK1:27->A02@2	
MCT Std 4	0.481 Abs [0.4845] {1.0 CV}	2.187 µg/L [2.151] {2.4 CV}	R ² =0.99881, 35.238 %Abs	RK1:27->B02@2	
MCT Std 5	0.353 Abs	4.948 µg/L	R ² =0.99881, 25.861 %Abs	RK1:28->C02@2	
MCT Std 5	0.366 Abs [0.3595] {2.6 CV}	4.434 µg/L [4.691] {7.7 CV}	R ² =0.99881, 26.813 %Abs	RK1:28->D02@2	

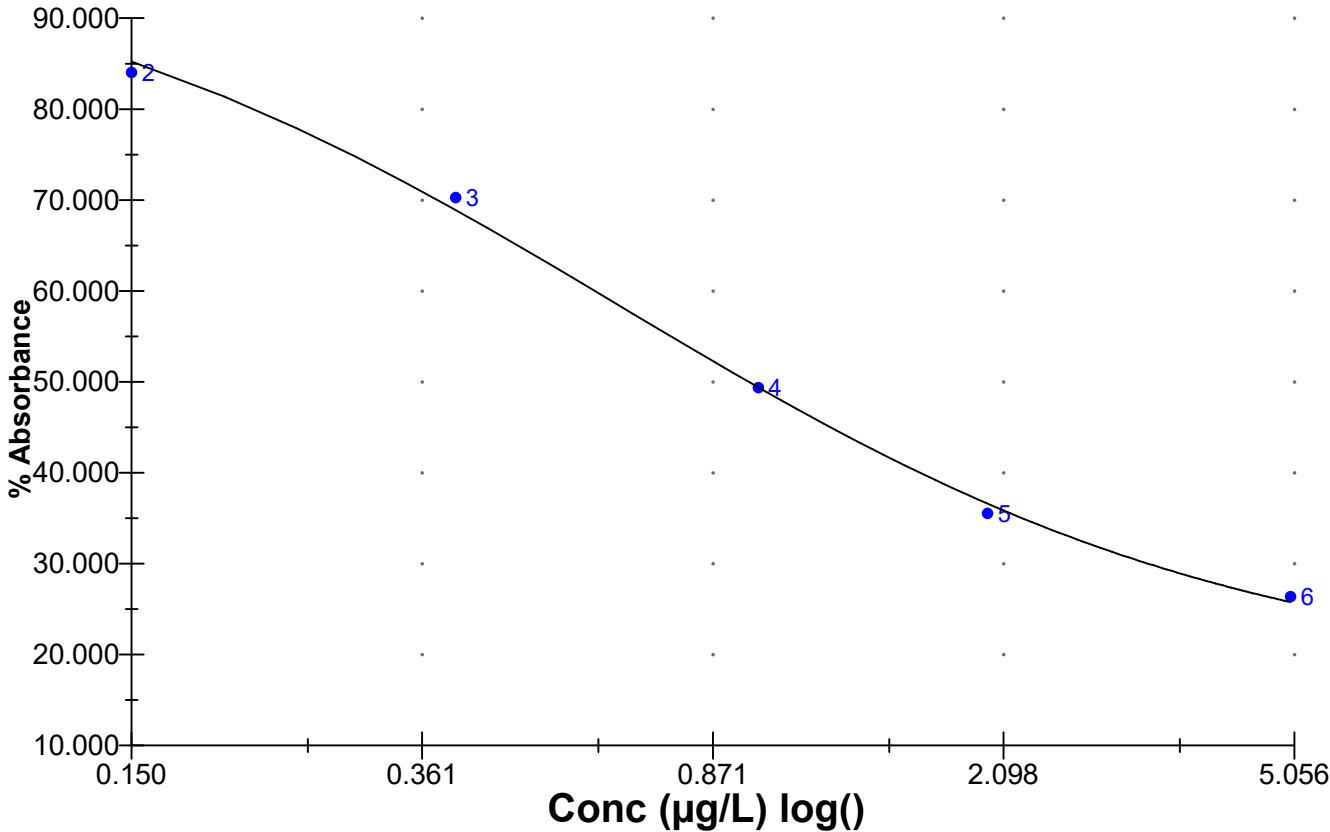
8/20/2025 3:18:19 PM					
MCT 546 LRB 1	1.316 Abs	0.031 µg/L	96.410 %Abs	RK1:29->E02@2	
MCT 546 LRB 1	1.261 Abs [1.2885] {3.0 CV}	0.071 µg/L [0.051] {55.5 CV}	92.381 %Abs [94.396 %Abs]	RK1:29->F02@3	
MCT 546 Low-CV	0.936 Abs	0.407 µg/L	68.571 %Abs	RK1:30->G02@3	
MCT 546 Low-CV	0.928 Abs [0.9320] {0.6 CV}	0.419 µg/L [0.413] {2.1 CV}	67.985 %Abs [68.278 %Abs]	RK1:30->H02@3	
MCT 546 LFB 1	0.841 Abs	0.566 µg/L	61.612 %Abs	RK1:31->A03@2	
MCT 546 LFB 1	0.814 Abs [0.8275] {2.3 CV}	0.620 µg/L [0.593] {6.4 CV}	59.634 %Abs [60.623 %Abs]	RK1:31->B03@2	

Statistic					
MCT Std 0 [MEAN]	1.3650	0.0085			
MCT Std 0 [SD]	0.0396	0.0120			
MCT Std 0 [%CV]	2.9010	141.4214			
MCT Std 1 [MEAN]	1.1470	0.1650			
MCT Std 1 [SD]	0.0127	0.0113			
MCT Std 1 [%CV]	1.1097	6.8568			
MCT Std 1 [%DIFF]		10.0000			
MCT Std 2 [MEAN]	0.9585	0.3755			
MCT Std 2 [SD]	0.0148	0.0205			
MCT Std 2 [%CV]	1.5492	5.4610			
MCT Std 2 [%DIFF]		-6.1250			
MCT Std 3 [MEAN]	0.6740	1.0055			
MCT Std 3 [SD]	0.0354	0.1252			
MCT Std 3 [%CV]	5.2456	12.4473			
MCT Std 3 [%DIFF]		0.5500			
MCT Std 4 [MEAN]	0.4845	2.1505			

Name	Absorbance	Concentration	Interpretation	Position	
MCT Std 4 [SD]	0.0049	0.0516			
MCT Std 4 [%CV]	1.0216	2.4003			
MCT Std 4 [%DIFF]		7.5250			
MCT Std 5 [MEAN]	0.3595	4.6910			
MCT Std 5 [SD]	0.0092	0.3635			
MCT Std 5 [%CV]	2.5570	7.7479			
MCT Std 5 [%DIFF]		-6.1800			
MCT 546 LRB 1 [MEAN]	1.2885	0.0510			
MCT 546 LRB 1 [SD]	0.0389	0.0283			
MCT 546 LRB 1 [%CV]	3.0183	55.4594			
MCT 546 Low-CV [MEAN]	0.9320	0.4130			
MCT 546 Low-CV [SD]	0.0057	0.0085			
MCT 546 Low-CV [%CV]	0.6070	2.0545			
MCT 546 LFB 1 [MEAN]	0.8275	0.5930			
MCT 546 LFB 1 [SD]	0.0191	0.0382			
MCT 546 LFB 1 [%CV]	2.3072	6.4391			

Assay Curve

y = (A-D)/(1+(x/C)^B) + D
Weight: NONE
A = 1.3602
B = 1.0517
C = 0.65813
D = 0.23228
R2 coef = 0.99881
50% = 0.971



Test Information								
Request: 8/21/2025 1:50:25 PM								
Date: 8/21/2025								
Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#	
MCT Std 0	MICROCYSTINS ADDA 54	1.389 Abs	0.000 µg/L	R^2=0.99077, 101.2		0.000	Kit:25085(	
MCT Std 0	MICROCYSTINS ADDA 54	1.355 Abs [1.3720] {1.8 C	0.038 µg/L [0.019]	R^2=0.99077, 98.76		0.000	Kit:25085(	
MCT Std 1	MICROCYSTINS ADDA 54	1.242 Abs	0.151 µg/L	R^2=0.99077, 90.52		0.150	Kit:25085(	
MCT Std 1	MICROCYSTINS ADDA 54	1.226 Abs [1.2340] {0.9 C	0.164 µg/L [0.158]	R^2=0.99077, 89.35		0.150	Kit:25085(	
MCT Std 2	MICROCYSTINS ADDA 54	0.968 Abs	0.378 µg/L	R^2=0.99077, 70.55		0.400	Kit:25085(	
MCT Std 2	MICROCYSTINS ADDA 54	0.963 Abs [0.9655] {0.4 C	0.383 µg/L [0.381]	R^2=0.99077, 70.15		0.400	Kit:25085(	
MCT Std 3	MICROCYSTINS ADDA 54	0.558 Abs	1.113 µg/L	R^2=0.99077, 40.67		1.000	Kit:25085(	
MCT Std 3	MICROCYSTINS ADDA 54	0.521 Abs [0.5395] {4.8 C	1.284 µg/L [1.199]	R^2=0.99077, 37.97		1.000	Kit:25085(	
MCT Std 4	MICROCYSTINS ADDA 54	0.525 Abs	1.263 µg/L	R^2=0.99077, 38.26		2.000	Kit:25085(	
MCT Std 4	MICROCYSTINS ADDA 54	0.484 Abs [0.5045] {5.7 C	1.521 µg/L [1.392]	R^2=0.99077, 35.27		2.000	Kit:25085(	
MCT Std 5	MICROCYSTINS ADDA 54	0.342 Abs	> 5.000 µg/L	24.927 %Abs		5.000	Kit:25085(	
MCT Std 5	MICROCYSTINS ADDA 54	0.330 Abs [0.3360] {2.5 C	> 5.000 µg/L	24.052 %Abs		5.000	Kit:25085(	
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.353 Abs	0.041 µg/L	98.615 %Abs			Kit:25085(	
MCT 546 LRB 1	MICROCYSTINS ADDA 54	1.395 Abs [1.3740] {2.2 C	0.000 µg/L [0.021]	101.676 %Abs [100			Kit:25085(	
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.873 Abs	0.476 µg/L	63.630 %Abs			Kit:25085(	
MCT 546 Low-CV	MICROCYSTINS ADDA 54	0.863 Abs [0.8680] {0.8 C	0.487 µg/L [0.482]	62.901 %Abs [63.2			Kit:25085(	
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.881 Abs	0.467 µg/L	64.213 %Abs			Kit:25085(	
MCT 546 LFB 1	MICROCYSTINS ADDA 54	0.854 Abs [0.8675] {2.2 C	0.497 µg/L [0.482]	62.245 %Abs [63.2			Kit:25085(	

Note

--

--

Test Report (by Request)

Test Information

Request: 8/21/2025 2:12:26 PM
Date: 8/21/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
AC46407 10X	MICROCYSTINS ADDA 54	0.456 Abs	17.780 µg/L	High, 33.236 %Abs	MDF=10.000	0.300 - 5.000	Kit:250850
AC46407 10X	MICROCYSTINS ADDA 54	0.457 Abs [0.4565] {0.2 C	17.670 µg/L [17.72	High, 33.309 %Abs	MDF=10.000	0.300 - 5.000	Kit:250850
LFB 2	MICROCYSTINS ADDA 54	0.749 Abs	0.641 µg/L	54.592 %Abs		0.300 - 5.000	Kit:250850
LFB 2	MICROCYSTINS ADDA 54	0.695 Abs [0.7220] {5.3 C	0.735 µg/L [0.688]	50.656 %Abs [52.6		0.300 - 5.000	Kit:250850
LRB 2	MICROCYSTINS ADDA 54	1.396 Abs	0.000 µg/L	Low, 101.749 %Abs		0.300 - 5.000	Kit:250850
LRB 2	MICROCYSTINS ADDA 54	1.380 Abs [1.3880] {0.8 C	0.000 µg/L [0.000]	Low, 100.583 %Abs		0.300 - 5.000	Kit:250850

Note

Signature

David Jordan

David Jordan 8/21/2025

Assay Information

Assay Name: MICROCYSTINS ADDA 546_

Version: 2

Temperature: Room Temperature

Last Modified By: Security disabled

Units: µg/L

Assay Description:

Assay Substances:

Controls:

MCT 546 LRB 1

MCT 546 Low-CV

MCT 546 LFB 1

Standards:

MCT Std 0, Concentration = 0.000, Minimum number to use: 2

MCT Std 1, Concentration = 0.150, Minimum number to use: 2

MCT Std 2, Concentration = 0.400, Minimum number to use: 2

MCT Std 3, Concentration = 1.000, Minimum number to use: 2

MCT Std 4, Concentration = 2.000, Minimum number to use: 2

MCT Std 5, Concentration = 5.000, Minimum number to use: 2

Curve valid interval: 1 days 0 hours

Axis Mode: Y = Abs, X = Log(Conc)

Assay Mode: 4-Parameter Logistic Weight by:None

Well Type: Flat bottom

Last Modified On: 9/30/2020 10:02:13 AM

Normal: 0.300 - 5.000

of decimals: 3

Kit Lot Number: Kit:2508506858

Assay Calibration

Current Calibration Status: "

"

Name	Absorbance	Concentration	Interpretation	Position	
8/21/2025 1:50:25 PM					
MCT Std 0	1.389 Abs	0.000 µg/L	R ² =0.99077, 101.239 %Abs	RK1:23->A01@2	
MCT Std 0	1.355 Abs [1.3720] {1.8 CV}	0.038 µg/L [0.019] {141.4 CV}	R ² =0.99077, 98.761 %Abs	RK1:23->B01@2	
MCT Std 1	1.242 Abs	0.151 µg/L	R ² =0.99077, 90.525 %Abs	RK1:24->C01@2	
MCT Std 1	1.226 Abs [1.2340] {0.9 CV}	0.164 µg/L [0.158] {5.8 CV}	R ² =0.99077, 89.359 %Abs	RK1:24->D01@2	
MCT Std 2	0.968 Abs	0.378 µg/L	R ² =0.99077, 70.554 %Abs	RK1:25->E01@2	
MCT Std 2	0.963 Abs [0.9655] {0.4 CV}	0.383 µg/L [0.381] {0.9 CV}	R ² =0.99077, 70.190 %Abs	RK1:25->F01@3	
MCT Std 3	0.558 Abs	1.113 µg/L	R ² =0.99077, 40.671 %Abs	RK1:26->G01@3	
MCT Std 3	0.521 Abs [0.5395] {4.8 CV}	1.284 µg/L [1.199] {10.1 CV}	R ² =0.99077, 37.974 %Abs	RK1:26->H01@3	
MCT Std 4	0.525 Abs	1.263 µg/L	R ² =0.99077, 38.265 %Abs	RK1:27->A02@2	
MCT Std 4	0.484 Abs [0.5045] {5.7 CV}	1.521 µg/L [1.392] {13.1 CV}	R ² =0.99077, 35.277 %Abs	RK1:27->B02@2	
MCT Std 5	0.342 Abs	> 5.000 µg/L	24.927 %Abs	RK1:28->C02@2	
MCT Std 5	0.330 Abs [0.3360] {2.5 CV}	> 5.000 µg/L	24.052 %Abs	RK1:28->D02@2	

8/21/2025 1:50:25 PM					
MCT 546 LRB 1	1.353 Abs	0.041 µg/L	98.615 %Abs	RK1:29->E02@2	
MCT 546 LRB 1	1.395 Abs [1.3740] {2.2 CV}	0.000 µg/L [0.021] {141.4 CV}	101.676 %Abs [100.146 %Abs]	RK1:29->F02@3	
MCT 546 Low-CV	0.873 Abs	0.476 µg/L	63.630 %Abs	RK1:30->G02@3	
MCT 546 Low-CV	0.863 Abs [0.8680] {0.8 CV}	0.487 µg/L [0.482] {1.6 CV}	62.901 %Abs [63.265 %Abs]	RK1:30->H02@3	
MCT 546 LFB 1	0.881 Abs	0.467 µg/L	64.213 %Abs	RK1:31->A03@2	
MCT 546 LFB 1	0.854 Abs [0.8675] {2.2 CV}	0.497 µg/L [0.482] {4.4 CV}	62.245 %Abs [63.229 %Abs]	RK1:31->B03@2	

Statistic					
MCT Std 0 [MEAN]	1.3720	0.0190			
MCT Std 0 [SD]	0.0240	0.0269			
MCT Std 0 [%CV]	1.7523	141.4214			
MCT Std 1 [MEAN]	1.2340	0.1575			
MCT Std 1 [SD]	0.0113	0.0092			
MCT Std 1 [%CV]	0.9168	5.8364			
MCT Std 1 [%DIFF]		5.0000			
MCT Std 2 [MEAN]	0.9655	0.3805			
MCT Std 2 [SD]	0.0035	0.0035			
MCT Std 2 [%CV]	0.3662	0.9292			
MCT Std 2 [%DIFF]		-4.8750			
MCT Std 3 [MEAN]	0.5395	1.1985			
MCT Std 3 [SD]	0.0262	0.1209			
MCT Std 3 [%CV]	4.8495	10.0889			
MCT Std 3 [%DIFF]		19.8500			
MCT Std 4 [MEAN]	0.5045	1.3920			

Name	Absorbance	Concentration	Interpretation	Position	
MCT Std 4 [SD]	0.0290	0.1824			
MCT Std 4 [%CV]	5.7466	13.1059			
MCT Std 4 [%DIFF]		-30.4000			
MCT Std 5 [MEAN]	0.3360				
MCT Std 5 [SD]	0.0085				
MCT Std 5 [%CV]	2.5254				
MCT 546 LRB 1 [MEAN]	1.3740	0.0205			
MCT 546 LRB 1 [SD]	0.0297	0.0290			
MCT 546 LRB 1 [%CV]	2.1615	141.4214			
MCT 546 Low-CV [MEAN]	0.8680	0.4815			
MCT 546 Low-CV [SD]	0.0071	0.0078			
MCT 546 Low-CV [%CV]	0.8146	1.6154			
MCT 546 LFB 1 [MEAN]	0.8675	0.4820			
MCT 546 LFB 1 [SD]	0.0191	0.0212			
MCT 546 LFB 1 [%CV]	2.2008	4.4011			

Assay Curve

y = (A-D)/(1+(x/C)^B) + D
Weight: NONE
A = 1.3698
B = 1.6464
C = 0.49328
D = 0.34531
R2 coef = 0.99077
50% = 0.753

