



**United States Environmental Protection Agency  
Region 9 Laboratory**

1337 S. 46th Street Building 201  
Richmond, CA 94804

**Date:** 2/20/2019

**Subject:** Analytical Testing Results - Project R19W04  
SDG: 19038A

**From:** Peter Husby, Director  
EPA Region 9 Laboratory  
EMD-3-1

**To:** Susan Keydel  
Watersheds Section  
WTR-2-2

Attached are the results from the analysis of samples from the **FY2019 Cyanotoxins for California Lakes Waters** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Audrey Johnson at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

---

Microcystin by ELISA



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

Fax:(510) 412-2302

**Project Manager:** Susan Keydel

**Watersheds Section**

**SDG:** 19038A

**Project Number:** R19W04

**75 Hawthorne Street**

**Reported:** 02/20/19 12:04

**Project:** FY2019 Cyanotoxins for California Lakes  
Waters

**San Francisco CA, 94105**

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
E Dock	1902006-01	Water	02/06/19 10:10	02/07/19 10:57
Boardwalk Grill	1902006-02	Water	02/06/19 10:30	02/07/19 10:57
Fuel Pump	1902006-03	Water	02/06/19 10:35	02/07/19 10:57
5115-5135 Cabrillo Pt	1902006-04	Water	02/06/19 11:05	02/07/19 10:57
Sand Point Rd.	1902006-05	Water	02/06/19 11:20	02/07/19 10:57
Surfside Ct.	1902006-06	Water	02/06/19 11:30	02/07/19 10:57
2015-2079 Newport Drive	1902006-07	Water	02/06/19 11:40	02/07/19 10:57
4011 Capstan Pl	1902006-08	Water	02/06/19 11:50	02/07/19 10:57
South Newport Dr.	1902006-09	Water	02/06/19 11:55	02/07/19 10:57
Clipper Dr.	1902006-10	Water	02/06/19 12:10	02/07/19 10:57
Cove Ct.	1902006-11	Water	02/06/19 12:20	02/07/19 10:57
Seal Wy	1902006-12	Water	02/06/19 12:30	02/07/19 10:57



**United States Environmental Protection Agency  
Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

<b>Project Manager:</b> Susan Keydel	<b>Watersheds Section</b>	<b>SDG:</b> 19038A
<b>Project Number:</b> R19W04	<b>75 Hawthorne Street</b>	<b>Reported:</b> 02/20/19 12:04
<b>Project:</b> FY2019 Cyanotoxins for California Lakes Waters	<b>San Francisco CA, 94105</b>	

**Sample Results**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID:</b> 1902006-01									<b>Water - Sampled: 02/06/19 10:10</b>
<b>Sample ID:</b> E Dock									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-02									<b>Water - Sampled: 02/06/19 10:30</b>
<b>Sample ID:</b> Boardwalk Grill									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-03									<b>Water - Sampled: 02/06/19 10:35</b>
<b>Sample ID:</b> Fuel Pump									<b>Microcystin by ELISA</b>
Microcystin		0.10	C1, J	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-04									<b>Water - Sampled: 02/06/19 11:05</b>
<b>Sample ID:</b> 5115-5135 Cabrillo Pt									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-05									<b>Water - Sampled: 02/06/19 11:20</b>
<b>Sample ID:</b> Sand Point Rd.									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-06									<b>Water - Sampled: 02/06/19 11:30</b>
<b>Sample ID:</b> Surfside Ct.									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-07									<b>Water - Sampled: 02/06/19 11:40</b>
<b>Sample ID:</b> 2015-2079 Newport Drive									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-08									<b>Water - Sampled: 02/06/19 11:50</b>
<b>Sample ID:</b> 4011 Capstan Pl									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-09									<b>Water - Sampled: 02/06/19 11:55</b>
<b>Sample ID:</b> South Newport Dr.									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-10									<b>Water - Sampled: 02/06/19 12:10</b>
<b>Sample ID:</b> Clipper Dr.									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-11									<b>Water - Sampled: 02/06/19 12:20</b>
<b>Sample ID:</b> Cove Ct.									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA
<b>Lab ID:</b> 1902006-12									<b>Water - Sampled: 02/06/19 12:30</b>
<b>Sample ID:</b> Seal Wy									<b>Microcystin by ELISA</b>
Microcystin		ND	U	0.15	ug/L	B19B049	02/08/19	02/08/19	ELISA



**United States Environmental Protection Agency**  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
 Phone:(510) 412-2300 Fax:(510) 412-2302

<b>Project Manager:</b> Susan Keydel	<b>Watersheds Section</b>	<b>SDG:</b> 19038A
<b>Project Number:</b> R19W04	<b>75 Hawthorne Street</b>	<b>Reported:</b> 02/20/19 12:04
<b>Project:</b> FY2019 Cyanotoxins for California Lakes Waters	<b>San Francisco CA, 94105</b>	

**Quality Control**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B19B049 -- General Biology - Microcystin by ELISA</b>										
<b>Prepared &amp; Analyzed: 02/08/19</b>										
<b>Microcystin by ELISA - Quality Control</b>										
<b>Blank (B19B049-BLK1)</b>										
Microcystin	ND	U	0.15	ug/L						
<b>LCS (B19B049-BS1)</b>										
Microcystin	0.45			ug/L	0.750		60	60-140		



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Susan Keydel

**Project Number:** R19W04

**Project:** FY2019 Cyanotoxins for California Lakes  
Waters

**Watersheds Section**

75 Hawthorne Street  
San Francisco CA, 94105

**SDG:** 19038A

**Reported:** 02/20/19 12:04

**Qualifiers and Comments**

J The reported result for this analyte should be considered an estimated value.

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.