



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

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

**Date:** 7/5/2018

**Subject:** Analytical Testing Results - Project R18W07  
SDG: 18179D

**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 **FY2018 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 Eugenia McNaughton 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:**

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Microcystin by ELISA



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Phone:(510) 412-2300 Fax:(510) 412-2302

<b>Project Manager:</b> Susan Keydel	<b>Watersheds Section</b>	<b>SDG:</b> 18179D
<b>Project Number:</b> R18W07	<b>75 Hawthorne Street</b>	<b>Reported:</b> 07/05/18 17:04
<b>Project:</b> FY2018 Cyanotoxins for California Lakes Waters	<b>San Francisco CA, 94105</b>	

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Boardwalk Grill	1806098-01	Water	06/27/18 12:59	06/28/18 13:15
Yacht Harbor	1806098-02	Water	06/27/18 13:13	06/28/18 13:15
Fuel Pump	1806098-03	Water	06/27/18 13:27	06/28/18 13:15
Newport Dr 2115-2199	1806098-04	Water	06/27/18 14:14	06/28/18 13:15
South Newport Dr	1806098-05	Water	06/27/18 14:33	06/28/18 13:15
Windward Pt	1806098-06	Water	06/27/18 14:40	06/28/18 13:15
Clipper Dr	1806098-07	Water	06/27/18 14:50	06/28/18 13:15
Seal Way	1806098-08	Water	06/27/18 15:00	06/28/18 13:15
Surfside Ct	1806098-09	Water	06/27/18 15:18	06/28/18 13:15
Newport Dr 1901-1989	1806098-10	Water	06/27/18 15:12	06/28/18 13:15
Sand Point Rd	1806098-11	Water	06/27/18 15:27	06/28/18 13:15
Cabrillo Pt 5115-5135	1806098-12	Water	06/27/18 15:48	06/28/18 13:15



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**Sample Results**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID:</b> 1806098-01									<b>Water - Sampled: 06/27/18 12:59</b>
<b>Sample ID:</b> Boardwalk Grill									<b>Microcystin by ELISA</b>
Microcystin		4.0		1.5	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-02									<b>Water - Sampled: 06/27/18 13:13</b>
<b>Sample ID:</b> Yacht Harbor									<b>Microcystin by ELISA</b>
Microcystin		50		1.5	ug/L	B18G014	07/05/18	07/05/18	ELISA
<b>Lab ID:</b> 1806098-03									<b>Water - Sampled: 06/27/18 13:27</b>
<b>Sample ID:</b> Fuel Pump									<b>Microcystin by ELISA</b>
Microcystin		3.9		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-04									<b>Water - Sampled: 06/27/18 14:14</b>
<b>Sample ID:</b> Newport Dr 2115-2199									<b>Microcystin by ELISA</b>
Microcystin		4.5		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-05									<b>Water - Sampled: 06/27/18 14:33</b>
<b>Sample ID:</b> South Newport Dr									<b>Microcystin by ELISA</b>
Microcystin		2.3		0.15	ug/L	B18G014	07/05/18	07/05/18	ELISA
<b>Lab ID:</b> 1806098-06									<b>Water - Sampled: 06/27/18 14:40</b>
<b>Sample ID:</b> Windward Pt									<b>Microcystin by ELISA</b>
Microcystin		0.71		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-07									<b>Water - Sampled: 06/27/18 14:50</b>
<b>Sample ID:</b> Clipper Dr									<b>Microcystin by ELISA</b>
Microcystin		0.40		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-08									<b>Water - Sampled: 06/27/18 15:00</b>
<b>Sample ID:</b> Seal Way									<b>Microcystin by ELISA</b>
Microcystin		0.26		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-09									<b>Water - Sampled: 06/27/18 15:18</b>
<b>Sample ID:</b> Surfside Ct									<b>Microcystin by ELISA</b>
Microcystin		1.2		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-10									<b>Water - Sampled: 06/27/18 15:12</b>
<b>Sample ID:</b> Newport Dr 1901-1989									<b>Microcystin by ELISA</b>
Microcystin		1.2		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-11									<b>Water - Sampled: 06/27/18 15:27</b>
<b>Sample ID:</b> Sand Point Rd									<b>Microcystin by ELISA</b>
Microcystin		4.4		1.5	ug/L	B18F101	07/03/18	07/03/18	ELISA
<b>Lab ID:</b> 1806098-12									<b>Water - Sampled: 06/27/18 15:48</b>
<b>Sample ID:</b> Cabrillo Pt 5115-5135									<b>Microcystin by ELISA</b>
Microcystin		0.25		0.15	ug/L	B18F101	07/03/18	07/03/18	ELISA



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<b>Project Number:</b> R18W07	<b>75 Hawthorne Street</b>	<b>Reported:</b> 07/05/18 17:04
<b>Project:</b> FY2018 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 B18F101 - - General Biology - Microcystin by ELISA</b>										
<b>Prepared &amp; Analyzed: 07/03/18</b>										
<b>Microcystin by ELISA - Quality Control</b>										
<b>Blank (B18F101-BLK1)</b>										
Microcystin	ND	U	0.15	ug/L						
<b>LCS (B18F101-BS1)</b>										
Microcystin	0.6			ug/L	0.750		80	60-140		
<b>Batch B18G014 - - General Biology - Microcystin by ELISA</b>										
<b>Prepared &amp; Analyzed: 07/05/18</b>										
<b>Microcystin by ELISA - Quality Control</b>										
<b>Blank (B18G014-BLK1)</b>										
Microcystin	ND	U	0.15	ug/L						
<b>LCS (B18G014-BS1)</b>										
Microcystin	0.64			ug/L	0.750		86	60-140		



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San Francisco CA, 94105

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**Qualifiers and Comments**

U Not Detected

NR Not Reported

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