

**GreenWater Laboratories**

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**Utah DEP - Division of Water Quality**

**MICROCYSTIN RESULTS**

**Tested on:** 7/22/2016  
**Method:** Enzyme-Linked ImmunoSorbent Assay (ELISA)  
**Analyte:** Microcystins/Nodularins  
**Analyzed by:** Kamil Cieslik

Sample ID/ Date Collected	Initial Conc. Factor	Dilution Ratio	Assay Value, ug/L	Final Dilution Factor	Avg. LFB Recovery	Avg. LFM Recovery	Final Concentration (ug/L)	Average (ug/L)
Big Cotton Creek 7/20/2016	1x	none none	0.00 0.00	1 1	117%	108%	< 0.15 < 0.15	ND
Little Cotton Creek AB WF 7/20/2016	1x	none none	0.09 0.11	1 1	117%	121%	< 0.15 < 0.15	ND
Liberty Park 7/20/2016	1x	none none	0.05 0.04	1 1	117%	—	< 0.15 < 0.15	ND
Salt Lake 2 Jordan Canal 7/20/2016	1x	none none	0.00 0.00	1 1	117%	—	< 0.15 < 0.15	ND
East Jordan Canal 7/20/2016	1x	none none	0.10 0.07	1 1	117%	—	< 0.15 < 0.15	ND
Red Butte Ck 7/20/2016	1x	none none	0.03 0.05	1 1	117%	—	< 0.15 < 0.15	ND

ND = Not detected above LOD/LOQ  
 LOD/LOQ = 0.15 µg/L  
 LFB = 1.0 µg/L MCLR  
 LFM = 1.0 µg/L MCLR

Submitted by:

*Amanda Foss*  
 Amanda Foss, M.S.  
 7/22/2016

Date:

Submitted to:

Utah DEP - Division of Water Quality  
 Ben Holcomb  
 195 North 1950 W  
 SLC, Utah 84116  
 (801) 541-3069  
[bholcomb@utah.gov](mailto:bholcomb@utah.gov)

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**CYLINDROSPERMOPSIN RESULTS**

**Tested on:** 7/22/2016  
**Method:** Enzyme-Linked ImmunoSorbent Assay (ELISA)  
**Analyte:** Cylindrospermopsin  
**Analyzed by:** Kamil Cieslik

Sample ID/ Date Collected	Initial Conc. Factor	Dilution Ratio	Assay Value, ug/L	Final Dilution Factor	Avg. LFB Recovery	Avg. LFM Recovery	Final Concentration (ug/L)	Average (ug/L)
Big Cotton Creek 7/20/2016	1x	none	0.00	1	110%	—	< 0.10	<b>ND</b>
		none	0.00	1				
Little Cotton Creek AB WF 7/20/2016	1x	none	0.00	1	110%	—	< 0.10	<b>ND</b>
		none	0.01	1				
Liberty Park 7/20/2016	1x	none	0.04	1	110%	79%	< 0.10	<b>ND</b>
		none	0.03	1				
Salt Lake 2 Jordon Canal 7/20/2016	1x	none	0.00	1	110%	85%	< 0.10	<b>ND</b>
		none	0.00	1				
East Jordon Canal 7/20/2016	1x	none	0.00	1	110%	—	< 0.10	<b>ND</b>
		none	0.00	1				
Red Butte Ck 7/20/2016	1x	none	0.00	1	110%	—	< 0.10	<b>ND</b>
		none	0.00	1				

ND = Not detected above LOD/LOQ  
 LOD/LOQ = 0.10 µg/L  
 LFB = 1.0 µg/L CYN  
 LFM = 1.0 µg/L CYN

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**PARALYTIC SHELLFISH TOXINS / SAXITOXIN RESULTS**

**Tested on:** 7/22/2016  
**Method:** Enzyme-Linked ImmunoSorbent Assay (ELISA)  
**Analyte:** PSTs (saxitoxins)  
**Analyzed by:** Kamil Cieslik

Sample ID/ Date Collected	Initial Conc. Factor	Dilution Ratio	Assay Value, ug/L	Final Dilution Factor	Avg. LFB Recovery	Avg. LFM Recovery	Final Concentration (ug/L)	Average (ug/L)
Big Cotton Creek 7/20/2016	1x	none none	0.00 0.01	1 1	95%	—	< 0.05 < 0.05	<b>ND</b>
Little Cotton Creek AB WF 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	<b>ND</b>
Liberty Park 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	<b>ND</b>
Salt Lake 2 Jordon Canal 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	<b>ND</b>
East Jordon Canal 7/20/2016	1x	none none	0.01 0.00	1 1	95%	80%	< 0.05 < 0.05	<b>ND</b>
Red Butte Ck 7/20/2016	1x	none none	0.01 0.01	1 1	95%	85%	< 0.05 < 0.05	<b>ND</b>

ND = Not detected above LOD/LOQ  
 LOD/LOQ = 0.05 µg/L  
 LFB = 0.2 µg/L STX  
 LFM = 0.2 µg/L STX

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