

**GreenWater Laboratories**

205 Zeagler Drive  
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Contact:  
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**Utah DEP - Division of Water Quality**

**MICROCYSTIN RESULTS**

Tested on: 7/21/2016 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)
SLC International Airport 7/19/2016	1x	none	0.09	1	125%	—	< 0.15	ND
		none	0.11	1			< 0.15	
5971050 7/19/2016	1x	none	0.61	1	107%	130%	0.61	<b>0.55</b>
		none	0.49	1			0.49	
NSDC off Ramp 7/19/2016	1x	none	0.10	1	125%	—	< 0.15	ND
		none	0.08	1			< 0.15	
5971120 7/19/2016	1x	none	0.05	1	107%	89%	< 0.15	ND
		none	0.05	1			< 0.15	
5971840 7/19/2016	1x	none	0.07	1	125%	—	< 0.15	ND
		none	0.07	1			< 0.15	
5971700 7/19/2016	1x	none	0.03	1	125%	—	< 0.15	ND
		none	0.03	1			< 0.15	

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:** 7/21/2016  
**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)
SLC International Airport 7/19/2016	1x	none	0.00	1	118%	—	< 0.10	ND
		none	0.06	1			< 0.10	
5971050 7/19/2016	1x	none	0.02	1	118%	—	< 0.10	ND
		none	0.04	1			< 0.10	
NSDC off Ramp 7/19/2016	1x	none	0.01	1	118%	126%	< 0.10	ND
		none	0.03	1			< 0.10	
5971120 7/19/2016	1x	none	0.01	1	118%	—	< 0.10	ND
		none	0.02	1			< 0.10	
5971840 7/19/2016	1x	none	0.03	1	118%	—	< 0.10	ND
		none	0.02	1			< 0.10	
5971700 7/19/2016	1x	none	0.04	1	118%	134%	< 0.10	ND
		none	0.03	1			< 0.10	

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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**Utah DEP - Division of Water Quality**

**PARALYTIC SHELLFISH TOXINS / SAXITOXIN RESULTS**

**Tested on:** 7/21/2016  
**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)
SLC International Airport 7/19/2016	1x	none	0.00	1	100%	95%	< 0.05	ND
		none	0.01	1			< 0.05	
5971050 7/19/2016	1x	none	0.01	1	100%	90%	< 0.05	ND
		none	0.01	1			< 0.05	
NSDC off Ramp 7/19/2016	1x	none	0.01	1	100%	—	< 0.05	ND
		none	0.02	1			< 0.05	
5971120 7/19/2016	1x	none	0.01	1	100%	—	< 0.05	ND
		none	0.01	1			< 0.05	
5971840 7/19/2016	1x	none	0.01	1	100%	—	< 0.05	ND
		none	0.01	1			< 0.05	
5971700 7/19/2016	1x	none	0.00	1	100%	—	< 0.05	ND
		none	0.02	1			< 0.05	

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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 7/22/2016

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