

GreenWater Laboratories
 205 Zeagler Drive
 Suite 302
 Palatka FL 32177
 Ph: (386) 328-0882
 Fax: (386) 328-9646

Contact:
 markaubel@greenwaterlab.com
 amandafoss@greenwaterlab.com



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)
4990890 7/20/2016	1x	none none	0.04 0.04	1 1	107%	116%	< 0.15 < 0.15	ND
4992320 7/20/2016	1x	none none	0.06 0.09	1 1	107%	125%	< 0.15 < 0.15	ND
4992970 7/20/2016	1x	none none	0.03 0.03	1 1	107%	—	< 0.15 < 0.15	ND
4993580 7/20/2016	1x	none none	0.09 0.09	1 1	107%	—	< 0.15 < 0.15	ND
4994100 7/20/2016	1x	none none	0.15 0.12	1 1	107%	—	< 0.15 < 0.15	ND
4994520 7/20/2016	1x	none none	0.04 0.04	1 1	107%	—	< 0.15 < 0.15	ND
4994720 7/20/2016	1x	none none	0.10 0.12	1 1	107%	—	< 0.15 < 0.15	ND
4994790 7/20/2016	1x	none none	0.07 0.04	1 1	107%	—	< 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:
 Date:

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

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

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Utah DEP - Division of Water Quality									
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)	
4990890 7/20/2016	1x	none none	0.00 0.00	1 1	110%	—	< 0.10 < 0.10	ND	
4992320 7/20/2016	1x	none none	0.00 0.00	1 1	110%	—	< 0.10 < 0.10	ND	
4992970 7/20/2016	1x	none none	0.00 0.01	1 1	110%	114%	< 0.10 < 0.10	ND	
4993580 7/20/2016	1x	none none	0.00 0.00	1 1	110%	113%	< 0.10 < 0.10	ND	
4994100 7/20/2016	1x	none none	0.01 0.00	1 1	110%	—	< 0.10 < 0.10	ND	
4994520 7/20/2016	1x	none none	0.01 0.00	1 1	110%	—	< 0.10 < 0.10	ND	
4994720 7/20/2016	1x	none none	0.00 0.05	1 1	110%	—	< 0.10 < 0.10	ND	
4994790 7/20/2016	1x	none none	0.00 0.01	1 1	110%	—	< 0.10 < 0.10	ND	

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: 7/22/2016
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)
4990890 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	ND
4992320 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	ND
4992970 7/20/2016	1x	none none	0.01 0.01	1 1	95%	—	< 0.05 < 0.05	ND
4993580 7/20/2016	1x	none none	0.00 0.01	1 1	95%	—	< 0.05 < 0.05	ND
4994100 7/20/2016	1x	none none	0.01 0.02	1 1	95%	90%	< 0.05 < 0.05	ND
4994520 7/20/2016	1x	none none	0.02 0.01	1 1	95%	80%	< 0.05 < 0.05	ND
4994720 7/20/2016	1x	none none	0.01 0.00	1 1	95%	—	< 0.05 < 0.05	ND
4994790 7/20/2016	1x	none none	0.00 0.01	1 1	95%	—	< 0.05 < 0.05	ND

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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