

GreenWater Laboratories

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Contact:
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Utah Division of Water Quality									
MICROCYSTIN RESULTS									
Tested on:	10/16/2014	10/17/2014							
Method:	Enzyme-Linked ImmunoSorbent Assay (ELISA)								
Analyte:	Microcystins								
Analyzed by:	Amanda Foss								
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)	
Utah Lake-Lindon Boat Harbor/Marina 10/10/2014	1x 1x	none none	0.73 0.86	1 1	97%	—	0.73 0.86	0.80	
Utah Lake-Provo State Park Harbor 10/10/2014	1x 1x	none none	0.11 0.11	1 1	97%	—	<0.15 <0.15	ND	
Utah Lake-Outlet to Jordan River 10/10/2014	1x 1x	none none	0.22 0.24	1 1	97%	—	0.22 0.24	0.23	
Utah Lake-Target (Lindon Harbor Shoreline) 10/10/2014	1x 1x	1:1000 1:1000	0.77 0.69	1000 1000	98%	—	770 690	730	
Jordan River-4994790-Jordan R @ Utah L Outlet U121 Xing 10/10/2014	1x 1x	none none	0.15 0.18	1 1	97%	—	0.15 0.18	0.17	
Jordan River-4994720-Jordan R at Narrows-Pump Station 10/10/2014	1x 1x	none none	1.35 1.42	1 1	97%	—	1.35 1.42	1.39	
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, M.S.
 10/16/2014

Submitted to:

Carl Adams
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Utah Division of Water Quality								
CYLINDROSPERMOPSIN RESULTS								
Tested on:		10/16/2014						
Method:		Enzyme-Linked ImmunoSorbent Assay (ELISA)						
Analyte:		Cylindrospermopsin						
Analyzed by:		Amanda Foss						
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)
Utah Lake-Lindon Boat Harbor/Marina 10/10/2014	1x	none	0.01	1	100%	100%	<0.10	ND
	1x	none	0.00	1			<0.10	
Utah Lake-Provo State Park Harbor 10/10/2014	1x	none	0.00	1	100%	—	<0.10	ND
	1x	none	0.00	1			<0.10	
Utah Lake-Outlet to Jordan River 10/10/2014	1x	none	0.00	1	100%	—	<0.10	ND
	1x	none	0.00	1			<0.10	
Utah Lake-Target (Lindon Harbor Shoreline) 10/10/2014	1x	none	0.35	1	100%	108%	0.35	0.37
	1x	none	0.39	1			0.39	
Jordan River-4994790-Jordan R @ Utah L Outlet U121 Xing 10/10/2014	1x	none	0.00	1	100%	—	<0.10	ND
	1x	none	0.02	1			<0.10	
Jordan River-4994720-Jordan R at Narrows-Pump Station 10/10/2014	1x	none	0.00	1	100%	—	<0.10	ND
	1x	none	0.01	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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Amanda Foss

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Utah Division of Water Quality									
SAXITOXIN RESULTS									
Tested on:		10/16/2014							
Method:		Enzyme-Linked ImmunoSorbent Assay (ELISA)							
Analyte:		Saxitoxins							
Analyzed by:		Amanda Foss							
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)	
Utah Lake-Lindon Boat Harbor/Marina 10/10/2014	1x 1x	none none	0.00 0.00	1 1	100%	—	<0.05 <0.05	ND	
Utah Lake-Provo State Park Harbor 10/10/2014	1x 1x	none none	0.00 0.00	1 1	100%	85%	<0.05 <0.05	ND	
Utah Lake-Outlet to Jordan River 10/10/2014	1x 1x	none none	0.00 0.00	1 1	100%	—	<0.05 <0.05	ND	
Utah Lake-Target (Lindon Harbor Shoreline) 10/10/2014	1x 1x	none none	0.03 0.02	1 1	100%	—	<0.05 <0.05	ND	
Jordan River-4994790-Jordan R @ Utah L Outlet U121 Xing 10/10/2014	1x 1x	none none	0.00 0.00	1 1	100%	—	<0.05 <0.05	ND	
Jordan River-4994720-Jordan R at Narrows-Pump Station 10/10/2014	1x 1x	none none	0.00 0.00	1 1	100%	85%	<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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