

Wisconsin Department of Natural Resources

Laboratory Report

10/09/2014

Lab: 113133790

Sample: 147201001

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: BSL5

Sample #: 147201001

Collection Start: 07/22/2014 08:45 am

Collection End: 07/22/2014 08:45 am

Collected by: TODD HANKE, ONTERRA,

Waterbody/Outfall Id: 1602600

ID #: 643125

ID Point #:

County: Vilas

Account #: AS012

Sample Location: BIG SAND LAKE - DEEP HOLE

Sample Description: VAN DORN NEAR SURFACE

Sample Source: Surface Water

Sample Depth: 3F

Date Reported: 09/08/2014

Sample Status: COMPLETE

Project No: AEPP-436-14

Sample Reason:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
EPA 353.2		08/06/2014				
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	ND	MG/L	0.0190		0.0610

Analysis Method		Analysis Date	Lab Comment			
SM2120B		07/24/2014				
Code	Description	Result	Units	LOD	Report Limit	LOQ
80	COLOR	10	SU	5.0		5.0

Analysis Method		Analysis Date	Lab Comment			
EPA 351.2		07/30/2014				
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	0.424	MG/L	0.140		0.400

Analysis Method		Analysis Date	Lab Comment			
EPA 350.1		08/06/2014				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.0150		0.0480

Analysis Method		Analysis Date	Lab Comment			
EPA 350.1		08/06/2014				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.0150		0.0480

Analysis Method		Analysis Date	Lab Comment			

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EPA 365.1		07/29/2014				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
665	PHOSPHORUS TOTAL	0.0169	MG/L	0.00500		0.0160

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
SM2510B,EPA150.1,SM2320B		08/05/2014				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
410	ALKALINITY TOTAL CaCO3	35.7	MG/L	2.55		2.55
95	CONDUCTIVITY, UMHOS/CM @ 25C	76.3	uS/cm	10.0		10.0
403	PH LAB	7.71	SU	1.00		1.00

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
EPA 445		07/30/2014	Chlorophyll A: Duplicate QC exceeded; duplicate result is 3.52ug/L. 			
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
99717	CHLOROPHYLL A, FLUORESCENCE (WELSCHMAYER 1994)	6.89	ug/L	0.260		0.870

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
Field Data						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
20	AMBIENT AIR TEMPERATURE - FIELD	23.9	C			
32	CLOUD COVER	95	%			
300	DISSOLVED OXYGEN FIELD	7.7	MG/L			
49701	SECCHI DEPTH - FEET	7.3	FT			
99420	SECCHI DEPTH HIT BOTTOM	N				
10	TEMPERATURE FIELD	21.8	C			