



Wisconsin State Laboratory of Hygiene  
 2601 Agriculture Drive, PO Box 7996  
 Madison, WI 53707-7996  
 (800)442-4618 - FAX (608)224-6213  
<http://www.slh.wisc.edu>

# Laboratory Report

Environmental Health Division

**WSLH Sample: 553678001**

Report To:  
 ZANA SIJAN  
 WISCONSIN DNR

Invoice To:  
 ZANA SIJAN  
 WISCONSIN DNR

Customer ID: WT093

Field #: WATER  
 Project No: HABRESPONSE-2015  
 Collection End: 3/29/2021 10:25:00 AM  
 Collection Start: 03/29/2021 10:17:00  
 Collected By: COLTON SORENSEN  
 Date Received: 3/30/2021  
 Date Reported: 4/1/2021  
 Sample Reason:

ID#: 493103  
 Sample Location: LOVELESS LAKE - DEEP HOLE  
 Sample Description: WATER ADJACENT TO  
 PLANKTOTHRIX MAT  
 Sample Type: SU-SURFACE WATER  
 Waterbody: 2620000  
 Point or Outfall: 269104190  
 Sample Depth: LESS 1F  
 Program Code: FH  
 Region Code: NOR  
 County: 49

## Sample Comments

TOP OF SAMPLE INTERVAL 1FT.

## Environmental Toxicology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 03/31/21 12:00	Analysis Date: 04/01/21 14:51				
Microcystin Toxins by ELISA	Microcystin Immunoassay Screen	6.4	ug/L	2.00	3.00
Prep Date: 03/31/21 12:00	Analysis Date: 03/31/21 16:27				
Anatoxin-a Toxins	Anatoxin-a by ELISA	ND	ug/L	0.1665	0.1665



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# Laboratory Report

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Environmental Health Division

**WSLH Sample: 553678001**

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WDNR LAB ID:113133790    NELAP LAB ID:2091    EPA LAB ID:WI00007, WI00008    WI DATCP ID:105-415

## List of Abbreviations:

LOD = Level of detection  
LOQ = Level of quantification  
ND = None detected. Results are less than the LOD  
F next to result = Result is between LOD and LOQ  
Z next to result = Result is between 0 (zero) and LOD  
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

## Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281

Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230

Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227



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# Laboratory Report

Environmental Health Division

**WSLH Sample: 553678002**

Report To:  
 ZANA SIJAN  
 WISCONSIN DNR

Invoice To:  
 ZANA SIJAN  
 WISCONSIN DNR

Customer ID: WT093

Field #: MAT  
 Project No: HABRESPONSE-2015  
 Collection End: 3/29/2021 10:25:00 AM  
 Collection Start: 03/29/2021 10:17:00  
 Collected By: COLTON SORENSEN  
 Date Received: 3/30/2021  
 Date Reported: 4/1/2021  
 Sample Reason:

ID#: 493103  
 Sample Location: LOVELESS LAKE - DEEP HOLE  
 Sample Description: PLANKTOTHRIX MAT  
 Sample Type: SU-SURFACE WATER  
 Waterbody: 2620000  
 Point or Outfall: 269104186  
 Sample Depth: LESS 1F  
 Program Code: FH  
 Region Code: NOR  
 County: 49

## Sample Comments

TOP OF SAMPLE INTERVAL 1 FT.

Screen assay shows Microcystin is greater than 100 ug/L

## Environmental Toxicology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 03/31/21 12:00	Analysis Date: 04/01/21 14:51				
Microcystin Toxins by ELISA	Microcystin Immunoassay Screen	100	ug/L	0.10	0.15
Prep Date: 03/31/21 12:00	Analysis Date: 03/31/21 16:27				
Anatoxin-a Toxins	Anatoxin-a by ELISA	ND	ug/L	0.1665	0.1665



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# Laboratory Report

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Environmental Health Division

**WSLH Sample: 553678002**

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WDNR LAB ID:113133790    NELAP LAB ID:2091    EPA LAB ID:WI00007, WI00008    WI DATCP ID:105-415

## List of Abbreviations:

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LOQ = Level of quantification  
ND = None detected. Results are less than the LOD  
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Z next to result = Result is between 0 (zero) and LOD  
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## Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281

Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230

Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227



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# Laboratory Report

Environmental Health Division

**WSLH Sample: 557985001**

Report To:  
COLTON SORENSEN

Invoice To:  
KATELIN ANDERSON  
POLK COUNTY LAND & WATER  
RESOURCES DEPARTMENT  
100 POLK COUNTY PLAZA, STE 120  
BALSAM LAKE, WI 54810  
Customer ID: 336949

Field #: LOVELESS-4-22-2021  
 Project No:  
 Collection End: 4/22/2021 10:13:00 AM  
 Collection Start:  
 Collected By: COLTON SORENSEN  
 Date Received: 4/23/2021  
 Date Reported: 5/6/2021  
 Sample Reason:

ID#: NA  
 Sample Location: N45.43591 W092.49144  
 Sample Description: INTEGRATED SAMPLER  
 Sample Type: SU-SURFACE WATER  
 Waterbody: 2620000  
 Point or Outfall:  
 Sample Depth: 0-2M  
 Program Code:  
 Region Code:  
 County: 49

## Field Data

Analyte	Analysis Method	Result	Units
Secchi Depth (Feet)	Field Data	3	FT
Secchi Depth Hit Bottom?	Field Data	N	

## Environmental Toxicology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 04/29/21 10:00		Analysis Date: 05/05/21 00:00			
Microcystin Toxins by ELISA	Microcystin Immunoassay Screen	6.9	ug/L	2.00	3.00



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# Laboratory Report

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Environmental Health Division

**WSLH Sample: 557985001**

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WDNR LAB ID:113133790    NELAP LAB ID:2091    EPA LAB ID:WI00007, WI00008    WI DATCP ID:105-415

## List of Abbreviations:

LOD = Level of detection  
LOQ = Level of quantification (for PFAS the LOQ = MRL)  
ND = None detected. Results are less than the LOD  
F next to result = Result is between LOD and LOQ  
Z next to result = Result is between 0 (zero) and LOD  
if LOD=LOQ, Limits were not statistically derived

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## Responsible Party

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Metals: Graham Anderson, Supervisor 608-224-6281

Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230

Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227



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# Laboratory Report

Environmental Health Division

**WSLH Sample: 562641001**

Report To:  
 COLTON SORENSEN

Invoice To:  
 KATELIN ANDERSON  
 POLK COUNTY LAND & WATER  
 RESOURCES DEPARTMENT  
 100 POLK COUNTY PLAZA, STE 120  
 BALSAM LAKE, WI 54810  
 Customer ID: 336949

Field #: LOVELESS-5-18-2021  
 Project No:  
 Collection End: 5/18/2021 11:55:00 AM  
 Collection Start: 05/18/2021 11:45:00  
 Collected By: COLTON SORENSEN  
 Date Received: 5/19/2021  
 Date Reported: 6/4/2021  
 Sample Reason:

ID#: NA  
 Sample Location: LOVELESS LAKE NEAR BOAT  
 LANDING / OUTLET  
 Sample Description: INTEGRATED SAMPLER  
 Sample Type: SU-SURFACE WATER  
 Waterbody: 2620000  
 Point or Outfall:  
 Sample Depth: 0-2M  
 Program Code:  
 Region Code:  
 County: 49

## Environmental Toxicology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Microcystin Toxins by ELISA	Microcystin Immunoassay Screen	58	ug/L	10.00	15.00

WDNR LAB ID: 113133790      NELAP LAB ID: 2091      EPA LAB ID: WI00007      AARST-NRPP Cert. ID No. 107308 AL

### List of Abbreviations:

ND = None detected.  
 NU = Natural Unit (unicell, colony or filament equals 1 unit)  
 TNTC = Too Numerous To Count  
 LOD = Level of detection  
 LOQ = Level of quantification  
 F next to result = Result is between LOD and LOQ  
 Z next to result = Result is between 0 (zero) and LOD  
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# Laboratory Report

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Environmental Health Division

**WSLH Sample: 562641001**

## Responsible Party

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230





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# Laboratory Report

Environmental Health Division

**WSLH Sample: 563394001**

Report To:  
COLTON SORENSEN

Invoice To:  
KATELIN ANDERSON  
POLK COUNTY LAND & WATER  
RESOURCES DEPARTMENT  
100 POLK COUNTY PLAZA, STE 120  
BALSAM LAKE, WI 54810  
Customer ID: 336949

Field #: LOVELESS-5-24-2021  
 Project No:  
 Collection End: 5/24/2021 2:00:00 PM  
 Collection Start: 05/24/2021 13:55:00  
 Collected By: COLTON SORENSEN  
 Date Received: 5/25/2021  
 Date Reported: 6/4/2021  
 Sample Reason:

ID#:  
 Sample Location:  
 Sample Description: INTEGRATED SAMPLER  
 Sample Type: SU-SURFACE WATER  
 Waterbody:  
 Point or Outfall:  
 Sample Depth: 0-2M  
 Program Code:  
 Region Code:  
 County:

## Environmental Toxicology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Microcystin Toxins by ELISA	Microcystin Immunoassay Screen	21	ug/L	2.00	3.00

WDNR LAB ID: 113133790      NELAP LAB ID: 2091      EPA LAB ID: WI00007      AARST-NRPP Cert. ID No. 107308 AL

### List of Abbreviations:

ND = None detected.  
 NU = Natural Unit (unicell, colony or filament equals 1 unit)  
 TNTC = Too Numerous To Count  
 LOD = Level of detection  
 LOQ = Level of quantification  
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Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230