

August 05, 2021
Laboratory Report

Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN 56401

RE: Lake Monitoring
Work Order :D019224

Enclosed are the results of analyses for samples received by the laboratory on 07/23/2021 09:35. If you have any questions concerning this report, please feel free to contact me at (218) 846-1465.

Report approved by:



Autumn Mahoney
Project Manager
autumn.mahoney@rmbel.info

Laboratory Results
August 05, 2021

Report To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Bill To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Project: Lake Monitoring
Lab Code: D019224-01
Matrix: Wtr-Surf
Date/Time Sampled: 07/22/2021 16:40
Date/Time Received: 07/23/2021 09:35

Sample Description: 18-0038-00-202 CLEARWATER
Collection Method: LKSURF2M
Sampled by: Ellie Kriese
Sample Receipt Information See chain of custody.

Analyte	Result	Units	Sample RL	DF	Preparation Method	Prepared	Analysis Method	Analyzed	Analyte Qualifiers	Facility
Classical Chemistry Parameters										
Orthophosphate as P (LF)	0.00	mg/L		1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:50		DL
Chlorophyll-a, Pheophytin Corrected	3.12	ug/L	1.67				SM10200H-2011	08/02/21 13:31	nc	DL
Orthophosphate as P (FF)	< 0.003	mg/L	0.003	1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:50		DL
Phosphorus, Total as P	0.006	mg/L	0.003	1	EPA 365.3	07/28/21 10:52	EPA 365.3	07/29/21 08:45		DL

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Results
August 05, 2021

Report To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Bill To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Project: Lake Monitoring
Lab Code: D019224-02
Matrix: Wtr-Surf
Date/Time Sampled: 07/22/2021 16:50
Date/Time Received: 07/23/2021 09:35

Sample Description: 18-0038-00-202 CLEARWATER
Collection Method: LKDEPTH
Sampled by: Ellie Kriese
Sample Receipt Information See chain of custody.

Analyte	Result	Units	Sample RL	DF	Preparation Method	Prepared	Analysis Method	Analyzed	Analyte Qualifiers	Facility
Classical Chemistry Parameters										
Orthophosphate as P (LF)	0.00	mg/L		1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:55		DL
Chlorophyll-a, Pheophytin Corrected	12.0	ug/L	1.67				SM10200H-2011	08/02/21 13:31	nc	DL
Orthophosphate as P (FF)	< 0.003	mg/L	0.003	1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:55		DL
Phosphorus, Total as P	0.018	mg/L	0.003	1	EPA 365.3	07/27/21 13:48	EPA 365.3	07/28/21 12:35		DL

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Results
August 05, 2021

Report To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Bill To: Clearwater Lake Association-Crow Wing
Barb Schmitz
N/A
Brainerd, MN, 56401

Project: Lake Monitoring
Lab Code: D019224-03
Matrix: Wtr-Surf
Date/Time Sampled: 07/22/2021 17:00
Date/Time Received: 07/23/2021 09:35

Sample Description: 18-0038-00-202 CLEARWATER
Collection Method: LKDEPTH
Sampled by: Ellie Kriese
Sample Receipt Information See chain of custody.

Analyte	Result	Units	Sample RL	DF	Preparation Method	Prepared	Analysis Method	Analyzed	Analyte Qualifiers	Facility
Classical Chemistry Parameters										
Orthophosphate as P (LF)	0.00	mg/L		1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:55		DL
Chlorophyll-a, Pheophytin Corrected	8.01	ug/L	3.33				SM10200H-2011	08/02/21 14:40	nc	DL
Orthophosphate as P (FF)	< 0.003	mg/L	0.003	1	EPA 365.3	07/23/21 08:33	EPA 365.3	07/23/21 15:55		DL
Phosphorus, Total as P	0.024	mg/L	0.003	1	EPA 365.3	07/28/21 10:52	EPA 365.3	07/28/21 17:18		DL

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Qualifiers and Definitions

Item	Definition
RL	Reporting Limit (Corrected for dilution factor when applicable due to sample preparation variation.)
DF	Dilution Factor
DL	Indicates test performed by RMB Environmental Laboratories - Detroit Lakes.
nc	Analyte not available for accreditation under the Minnesota Environmental Laboratory Accreditation Program.



RMB Environmental Laboratories, Inc.
 Bloomington, MN Detroit Lakes, MN Hibbing, MN
 1.888.200.5770 • rmbel@rmbel.info • www.rmbel.info

CHAIN OF CUSTODY RECORD

Electronic version available at <http://www.rmbel.info/lab/chains-of-custody/>

Client: <u>Clearwater Lake Assoc. - Crawfording</u>		Fax #:		Project Task Code:		Preserved at Lab Receipt		Preserved at Collection		"EQUIS" EDD Lab Format - MPCA Data Submittal	
Project Name:		POWO #:		Sampler Phone #:		Sample Comments: (Equipment Type, Filtration, AIS, Preservation)		Analyses Requested		D019224	
Sampler: (print name)		Bill to:		Bill to Email:		Sample Comments: (Equipment Type, Filtration, AIS, Preservation)		Analyses Requested		D019224	
Report to:		Date		Time		Sample Method		Start Depth (m)		End Depth (m)	
Station ID/Sample Description		# of Bottles		Sample Type		Matrix		Preserved at Lab Receipt		Preserved at Collection	
01	202 18-0038-00	07/22/11	3	1K SURF	0	2	INTR-SURF				
02	Clearwater 202	↓	↓	↓	2.05m	↓	1kdepth				
03	Clearwater 202	↓	↓	↓	3.35m	↓	1kdepth				
<p>(Initials) In the event that samples are received by the lab at a temperature greater than 6° C, (10° C for micro) I hereby authorize RMB Environmental Laboratories to process the samples as received.</p> <p>(Initials) In the event that samples are received by the lab at a temperature greater than 6° C, (10° C for micro) please contact client at phone # _____ before processing samples.</p>											
Relinquished by: (client signature)		Print Name:		Date		Time		Shipping to Lab:		Shipping to Lab:	
<u>[Signature]</u>		Elise Kriesel		07/22/11		1700		<input type="checkbox"/> Speedee <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> RMB Courier <input type="checkbox"/> Hand Delivery		<input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> RMB Courier <input type="checkbox"/> Hand Delivery	
Received by Lab: (signature)		Date		Time		Mileage:		Shipping:		Additional Fees:	
<u>[Signature]</u>		07/22/11		0935				Field Staff:		Courier:	
<input checked="" type="checkbox"/> DOES meet proper sample storage and transportation guidelines <input type="checkbox"/> Does NOT meet proper sample storage and transportation guidelines		<input checked="" type="checkbox"/> Received on ice <input type="checkbox"/> Received at room temperature <input type="checkbox"/> Samples received same day as collection		<input type="checkbox"/> Received on ice <input type="checkbox"/> Received at room temperature <input type="checkbox"/> Samples received same day as collection		Received Temp: <u>5.1</u> °C Therm. ID: <u>LTG 10</u> Chlorine: No Yes <u>(N/A)</u>		Equipment: _____ Other: _____		Equipment: _____ Other: _____	
Comments: _____ VOC vials received w/o headspace: bubble < 6mm: Yes No <u>(N/A)</u>											