



## CERTIFICATE OF ANALYSIS

Client Name : ██████████  
 Project ID : Phytoplankton Date : 10/27/2022

Job ID : 1063126 Sample Matrix : Liquid Date Collected : 10/04/2022  
 Sample Name : ██████████ Test Name : Phytoplankton Date Received : 10/04/2022  
 SysSampleCode : 1063126-01 Method : SM 10200F-2011 Date Analyzed : 10/05/2022  
 Sample Location : Analyst : DMaldonado

Instrument ID : Scope 1 Objective Lens: 10 Type of Count : Strip  
 Initial Volume (ml) : 2.5 Optical Lens : 10 Number Counted : 4  
 Final Volume (ml) : 10 Whipple Grid Width (mm) : 1 Wipple Measured (mm) : 1  
 Dilution Factor : 4 Whipple Grid Area (mm2) : 1 Multiplication Factor : 5

Remark : This sample was diluted using a four fold dilution to remove some debris. Counts for Gloeocystis and Cylindropsopsis were lower this week. Counts for Cyclotella, Nitzschia, Synedra, Scenedesmus, and Staurastrum were higher this week.

| Identified Organisms            | Strip |    |    |    | Total Organisms<br>Counted | Density<br>Cells/ml | Biovolume<br>µm <sup>3</sup> /mL |
|---------------------------------|-------|----|----|----|----------------------------|---------------------|----------------------------------|
|                                 | 1     | 2  | 3  | 4  |                            |                     |                                  |
| Cyclotella                      | 16    | 10 | 12 | 8  | 46                         | 920                 | 664.45                           |
| Nitzschia                       | 12    | 12 | 19 | 26 | 69                         | 1380                | 829.5                            |
| Synedra                         | 79    | 50 | 58 | 65 | 252                        | 5040                | 731.65                           |
| Ankistrodesmus                  | 1     | 1  | 1  | 3  | 6                          | 120                 | 3130.53                          |
| Gloeocystis                     | 8     |    |    | 2  | 10                         | 200                 | 200.39                           |
| Scenedesmus                     | 6     | 9  | 6  | 4  | 25                         | 500                 | 284.09                           |
| Staurastrum                     | 2     | 2  | 2  | 2  | 8                          | 160                 | 91703.09                         |
| Tribonema                       | 2     |    |    |    | 2                          | 40                  | 1060.29                          |
| Gomphosphaeria                  | 1     |    |    |    | 1                          | 20                  | 212.06                           |
| Raphidiopsis                    | 8     | 7  | 3  | 13 | 31                         | 620                 | 169.65                           |
| Phacus                          |       |    |    | 1  | 1                          | 20                  | 5937.61                          |
| Misc./Unidentified              | 1     | 5  | 3  |    | 9                          | 180                 | 0                                |
| Total Organisms Counted         |       |    |    |    | 460                        |                     |                                  |
| Total Organisms per ml per Site |       |    |    |    | 9200                       |                     |                                  |
| Total Biovolume                 |       |    |    |    | 104923.31                  |                     |                                  |