|            | Discharge TOC (μM) TN (μM) |              |                | C/N          | a254         | SUVA254 (non-linear(non-linear |              |              | SR             | FIX            | BIX            | HIX          | C1           | C2           | C3           | N-C1         | N-C2         | N-C3           | C1/C2         | C2/C3        | C1/C3        | %C1   | %C2   | %C3 |
|------------|----------------------------|--------------|----------------|--------------|--------------|--------------------------------|--------------|--------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|---------------|--------------|--------------|-------|-------|-----|
| Discharge  | 9                          |              |                |              |              |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| TOC (µM)   | 0.66                       |              |                |              |              |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| TN (μM)    | 0.24                       | 0.07         |                |              |              |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| C/N        | -0.13                      | 0.40         | -0.73          |              |              |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| a254       | 0.68                       | 0.98         | -0.02          | 0.42         |              |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| SUVA254    |                            | 0.34         | -0.43          | 0.25         | 0.50         |                                |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| (non-linea |                            | -0.23        | 0.11           | -0.05        | -0.32        | -0.72                          |              |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| (non-linea |                            | 0.66         | 0.12           | 0.14         | 0.61         | 0.06                           | 0.23         |              |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| SR         | -0.62                      | -0.71        | 0.07           | -0.22        | -0.74        | -0.63                          | 0.56         | -0.67        |                |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| FIX        | -0.53                      | -0.74        | 0.32           | -0.43        | -0.79        | -0.69                          | 0.65         | -0.39        | 0.83           |                |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| BIX        | -0.54                      | -0.85        | 0.21           | -0.56        | -0.82        | -0.28                          | 0.34         | -0.48        | 0.65           | 0.85           |                |              |              |              |              |              |              |                |               |              |              |       |       |     |
| HIX        | 0.59                       | 0.95         | -0.02          | 0.47         | 0.90         | 0.17                           | -0.05        | 0.74         | -0.64          | -0.68          | -0.90          |              |              |              |              |              |              |                |               |              |              |       |       |     |
| C1         | 0.64                       | 0.99         | 0.00           | 0.49         | 0.96         | 0.29                           | -0.15        | 0.71         | -0.69          | -0.70          | -0.85          | 0.97         | 0.00         |              |              |              |              |                |               |              |              |       |       |     |
| C2         | 0.63                       | 0.98         | -0.02          | 0.50         | 0.95         | 0.29                           | -0.16        | 0.73         | -0.72          | -0.72          | -0.87          | 0.97         | 0.99         |              |              |              |              |                |               |              |              |       |       |     |
| C3         | 0.59                       | 0.89         | -0.01          | 0.45         | 0.90         | 0.46                           | -0.28        | 0.65         | -0.75          | -0.65          | -0.64          | 0.77         | 0.90         | 0.90         | 0.50         |              |              |                |               |              |              |       |       |     |
| N-C1       | 0.20                       | 0.51         | -0.20          | 0.55         | 0.45         | -0.10                          | 0.41         | 0.78         | -0.38          | -0.17          | -0.41          | 0.65         | 0.64         | 0.65         | 0.58         | 0.00         |              |                |               |              |              |       |       |     |
| N-C2       | 0.12                       | 0.44         | -0.21          | 0.46         | 0.38         | -0.05                          | 0.24         | 0.75         | -0.50          | -0.31          | -0.42          | 0.57         | 0.54         | 0.60         | 0.52         | 0.88         | 0.07         |                |               |              |              |       |       |     |
| N-C3       | -0.49                      | -0.77        | 0.06           | -0.32        | -0.72        | -0.09                          | 0.09         | -0.51        | 0.47           | 0.69           | 0.89           | -0.86        | -0.74        | -0.74        | -0.44        | -0.29        | -0.27        | 0.10           |               |              |              |       |       |     |
| C1/C2      | 0.04                       | -0.13        | 0.14           | -0.09        | -0.12        | -0.10                          | 0.15         | -0.37        | 0.48           | 0.41           | 0.24           | -0.18        | -0.15        | -0.24        | -0.20        | -0.25        | -0.68        | 0.13           | 0.44          |              |              |       |       |     |
| C2/C3      | 0.45                       | 0.81         | -0.11          | 0.44         | 0.75         | 0.07                           | 0.02         | 0.74         | -0.61          | -0.69          | -0.89          | 0.93         | 0.84         | 0.87         | 0.60         | 0.62         | 0.68         | -0.89          | -0.44         | 0.07         |              |       |       |     |
| C1/C3      | 0.51                       | 0.87         | -0.07          | 0.46         | 0.81         | 0.06                           | 0.06         | 0.73         | -0.56          | -0.64          | -0.89          | 0.98         | 0.89         | 0.90         | 0.64         | 0.64         | 0.58         | -0.91          | -0.21         | 0.97         | 0.00         |       |       |     |
| %C1<br>%C2 | 0.47<br>0.20               | 0.77<br>0.53 | -0.04<br>-0.15 | 0.42<br>0.31 | 0.71<br>0.48 | -0.03<br>0.04                  | 0.25<br>0.01 | 0.66<br>0.69 | -0.34<br>-0.61 | -0.39<br>-0.59 | -0.71<br>-0.63 | 0.88<br>0.65 | 0.80<br>0.56 | 0.77<br>0.63 | 0.54<br>0.44 | 0.63<br>0.56 | 0.37<br>0.83 | -0.80<br>-0.59 | 0.20<br>-0.84 | 0.77<br>0.85 | 0.90<br>0.70 | 0.36  |       |     |
| %C3        | -0.41                      | -0.79        | 0.11           | -0.45        | -0.73        | -0.01                          | -0.16        | -0.81        | 0.57           | 0.59           | 0.81           | -0.93        | -0.83        | -0.85        | -0.60        | -0.72        | -0.71        | 0.85           | 0.36          | -0.98        | -0.97        | -0.84 | -0.81 |     |