

The diagram illustrates a 12-column chromatogram with four sample groups, each having three replicates. The columns are color-coded as follows: Column 1 (Yellow), Column 2 (Light Green), Column 3 (Green), Column 4 (Teal), Column 5 (Light Blue), Column 6 (Medium Blue), Column 7 (Dark Blue), Column 8 (Purple), Column 9 (Purple), Column 10 (Purple), Column 11 (Purple), and Column 12 (Purple). The sample groups and their corresponding peaks are:

- Tide Pool 1 (S1):** Shows a peak in the first yellow column and a peak in the eighth dark blue column.
- Tide Pool 2 (S2):** Shows a peak in the first yellow column and a peak in the tenth purple column.
- Nearshore (N):** Shows a peak in the first yellow column and a peak in the tenth purple column.
- Field Blank:** Shows no peaks.