



## Analytical Summary Report

Analysis Method: SM2320 B  
Parameter: Alkalinity  
Run Number: LB117200  
Constant: 50,000

Reviewed By: apatel  
Supervisor Review By: ketankumar  
Normality: 0.02  
pH Meter ID: WC pH Meter-1

| Reagent/Standard               | Lot/Log # |
|--------------------------------|-----------|
| alkalinity LCSW 50 ppm         | WP93756   |
| Sulfuric Acid, 0.02N (cs/4x4L) | W2847     |

| Seq | LabID       | ClientID        | TV<br>(mg/L) | DL | Sample<br>Vol<br>(mL) | Initial<br>pH | pH(4.3-<br>4.7) | Final<br>pH | 0.02N H2SO4  |                   |            |           | Alkalinity | Anal Date  | Anal<br>Time |
|-----|-------------|-----------------|--------------|----|-----------------------|---------------|-----------------|-------------|--------------|-------------------|------------|-----------|------------|------------|--------------|
|     |             |                 |              |    |                       |               |                 |             | A            | B                 | C          | D         |            |            |              |
|     |             |                 |              |    |                       |               |                 |             | Initial (ml) | ml at pH(4.3-4.7) | Final (ml) | Diff (ml) |            |            |              |
| 1   | LB117200BL  | LB117200BL      |              | 1  | 100                   | 5.02          | 4.61            | 4.31        | 0            | 0.08              | 0.16       | 0.00      | 0.00       | 11/05/2021 | 13:50        |
| 2   | LB117200BS  | LB117200BS      | 50           | 1  | 100                   | 9.75          | 4.55            | 4.25        | 0.0          | 5.44              | 5.54       | 5.34      | 53.40      | 11/05/2021 | 14:00        |
| 3   | M4503-01    | RW8-MW01S-20211 |              | 1  | 100                   | 5.16          | 4.52            | 4.22        | 0.00         | 0.12              | 0.20       | 0.04      | 0.40       | 11/05/2021 | 14:08        |
| 4   | M4503-02    | RW8-MW01D1-2021 |              | 1  | 100                   | 6.02          | 4.48            | 4.18        | 0.00         | 1.86              | 1.92       | 1.80      | 18.00      | 11/05/2021 | 14:16        |
| 5   | M4503-04    | RW8-MW01D2-2021 |              | 1  | 100                   | 5.11          | 4.53            | 4.23        | 0.00         | 0.12              | 0.18       | 0.06      | 0.60       | 11/05/2021 | 14:25        |
| 6   | M4503-04DUP | RW8-MW01D2-2021 |              | 1  | 100                   | 5.12          | 4.62            | 4.32        | 0.00         | 0.10              | 0.18       | 0.02      | 0.20       | 11/05/2021 | 14:32        |

$$D = 2(B-A) - (C-A)$$

$$\text{Alkalinity} = (D * \text{Normality} * \text{Constant}) / \text{Sample Volume (ml)}$$