

Analysis Method: SM4500-CL C

ANALYST: Aparna

Parameter: Chloride

SUPERVISOR REVIEW BY: apatel

Run Number: LB97746

Constant: 35450

Normality1: 0.0141

| Reagent/Standard                       | Lot/Log # |
|----------------------------------------|-----------|
| Chloride LCS std, 100PPM               | WP67561   |
| Indicator-acidifier reagent - Chloride | WP67437   |
| MERCURIC NITRATE, 0.0141 N 4L          | W2051     |
| Indicator-acidifier reagent - Chloride | WP67437   |

| Seq | Lab ID      | True Value (mg/L) | Dilution | Sample Volume (mL) | Titrant Initial (ml) | Titrant Final (ml) | Titrant Diff. (ml) | Result (mg/L) | Anal Date  | Anal Time |
|-----|-------------|-------------------|----------|--------------------|----------------------|--------------------|--------------------|---------------|------------|-----------|
| 1   | LB97746BL   |                   | 1        | 50                 | 0.00                 | 0.10               | 0.10               | 0.00          | 09/06/2018 | 08:00     |
| 2   | LB97746BS   | 100               | 1        | 10                 | 0.10                 | 2.10               | 2.00               | 94.97         | 09/06/2018 | 08:01     |
| 3   | J4709-01    |                   | 1        | 5                  | 2.10                 | 3.40               | 1.30               | 119.96        | 09/06/2018 | 08:02     |
| 4   | J4709-01DUP |                   | 1        | 5                  | 3.40                 | 4.80               | 1.40               | 129.96        | 09/06/2018 | 08:03     |
| 5   | J4709-01MS  | 100               | 1        | 5                  | 0.00                 | 2.16               | 2.16               | 205.94        | 09/06/2018 | 08:04     |
| 6   | J4709-01MSD | 100               | 1        | 5                  | 0.00                 | 2.14               | 2.14               | 203.94        | 09/06/2018 | 08:05     |
| 7   | J4709-02    |                   | 1        | 1                  | 2.20                 | 5.20               | 3.00               | 1449.55       | 09/06/2018 | 08:06     |
| 8   | J4709-03    |                   | 1        | 50                 | 5.20                 | 6.50               | 1.30               | 12.00         | 09/06/2018 | 08:07     |
| 9   | J4709-04    |                   | 1        | 10                 | 6.56                 | 8.00               | 1.44               | 66.98         | 09/06/2018 | 08:08     |
| 10  | J4709-05    |                   | 1        | 10                 | 8.00                 | 9.98               | 1.98               | 93.97         | 09/06/2018 | 08:09     |
| 11  | J4709-06    |                   | 1        | 10                 | 1.80                 | 3.70               | 1.90               | 89.97         | 09/06/2018 | 08:10     |
| 12  | J4709-07    |                   | 1        | 1                  | 3.70                 | 4.16               | 0.46               | 179.94        | 09/06/2018 | 08:11     |
| 13  | J4709-08    |                   | 1        | 5                  | 4.16                 | 5.50               | 1.34               | 123.96        | 09/06/2018 | 08:12     |
| 14  | J4709-09    |                   | 1        | 1                  | 5.50                 | 6.76               | 1.26               | 579.82        | 09/06/2018 | 08:13     |
| 15  | J4709-10    |                   | 1        | 50                 | 6.76                 | 6.88               | 0.12               | 0.20          | 09/06/2018 | 08:14     |
| 16  | J4709-11    |                   | 1        | 50                 | 6.88                 | 7.16               | 0.28               | 1.80          | 09/06/2018 | 08:15     |

Titrant Diff = TitrantFinal - TitrantInitial

Result = (Titrant Diff - Row Blank Value \* Normality)) \* Constant /