

Analysis Method: 9034  
 Parameter: Reactive Sulfide  
 Run Number: LB101704

ANALYST: ketankumar  
 SUPERVISOR REVIEW BY: apatel  
 Constant: 16000  
 Normality1: 0.025  
 Normality2: 0.025

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP71781   |
| IODINE SOLUTION .025N 1L          | W2410     |
| Starch Solution, 4L               | W2379     |

| Seq | Lab ID      | True Value (mg/l) | DF | Initial Weight (g) | Final Volume (ml) | T1 (ml) | T2 Initial | T2 Final | T2 Diff. (ml) | T1 - T2 Diff (mL) | Value Corrected With Blank | Result (ppm) | Anal Date  | Anal Time |
|-----|-------------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 1   | PB118379BL  |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.94     | 1.94          | 0.06              | 0.00                       | 0.00         | 03/28/2019 | 13:05     |
| 2   | K1697-14    |                   | 1  | 5.03               | 50                | 2.00    | 1.94       | 3.82     | 1.88          | 0.12              | 0.06                       | 4.77         | 03/28/2019 | 13:08     |
| 3   | K1697-14DUP |                   | 1  | 5.04               | 50                | 2.00    | 3.82       | 5.68     | 1.86          | 0.14              | 0.08                       | 6.35         | 03/28/2019 | 13:12     |
| 4   | K1697-16    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.62     | 1.62          | 0.38              | 0.32                       | 25.35        | 03/28/2019 | 13:15     |
| 5   | K2090-03    |                   | 1  | 5.02               | 50                | 2.00    | 1.62       | 3.30     | 1.68          | 0.32              | 0.26                       | 20.72        | 03/28/2019 | 13:18     |
| 6   | K2097-07    |                   | 1  | 5.03               | 50                | 2.00    | 3.30       | 5.02     | 1.72          | 0.28              | 0.22                       | 17.50        | 03/28/2019 | 13:22     |
| 7   | K2097-08    |                   | 1  | 5.06               | 50                | 2.00    | 5.02       | 6.70     | 1.68          | 0.32              | 0.26                       | 20.55        | 03/28/2019 | 13:25     |
| 8   | K2097-09    |                   | 1  | 5.04               | 50                | 2.00    | 6.70       | 8.42     | 1.72          | 0.28              | 0.22                       | 17.46        | 03/28/2019 | 13:28     |
| 9   | K2097-10    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.62     | 1.62          | 0.38              | 0.32                       | 25.60        | 03/28/2019 | 13:32     |
| 10  | K2097-11    |                   | 1  | 5.04               | 50                | 2.00    | 1.62       | 3.22     | 1.60          | 0.40              | 0.34                       | 26.98        | 03/28/2019 | 13:35     |
| 11  | K2097-12    |                   | 1  | 5.05               | 50                | 2.00    | 3.22       | 4.66     | 1.44          | 0.56              | 0.50                       | 39.60        | 03/28/2019 | 13:38     |
| 12  | K2105-04    |                   | 1  | 5.01               | 50                | 2.00    | 4.66       | 6.06     | 1.40          | 0.60              | 0.54                       | 43.11        | 03/28/2019 | 13:42     |

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 \* Normality1) - ((T1 - Value Corrected With Blank) \* Normality2)) \* Constant / Initial Volume

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|-----|----------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 13  | K2112-04 |                   | 1  | 5.05               | 50                | 2.00    | 6.06       | 7.70     | 1.64          | 0.36              | 0.30                       | 23.76        | 03/28/2019 | 13:45     |
| 14  | K2125-04 |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.68     | 1.68          | 0.32              | 0.26                       | 20.72        | 03/28/2019 | 13:48     |

T1 = Titrant1  
 T2 = Titrant2  
 T2 Diff = T2 Final - T2 Initial  
 Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 \* Normality1) - ((T1 - Value Corrected With Blank) \* Normality2)) \* Constant / Initial Volume