

Analysis Method: 9034  
 Parameter: Reactive Sulfide  
 Run Number: LB100987

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   | PB117335BL  |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.00                       | 0.00         | 02/23/2019 | 13:15     |
| 2   | K1348-04    |                   | 1  | 5.03               | 50                | 2.00    | 1.88       | 3.70     | 1.82          | 0.18              | 0.06                       | 4.77         | 02/23/2019 | 13:18     |
| 3   | K1348-04DUP |                   | 1  | 5.02               | 50                | 2.00    | 3.70       | 5.50     | 1.80          | 0.20              | 0.08                       | 6.37         | 02/23/2019 | 13:20     |
| 4   | K1348-06    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.78     | 1.78          | 0.22              | 0.10                       | 7.94         | 02/23/2019 | 13:22     |
| 5   | K1356-10    |                   | 1  | 5.00               | 50                | 2.00    | 1.78       | 3.58     | 1.80          | 0.20              | 0.08                       | 6.40         | 02/23/2019 | 13:25     |
| 6   | K1356-12    |                   | 1  | 5.03               | 50                | 2.00    | 3.58       | 5.20     | 1.62          | 0.38              | 0.26                       | 20.68        | 02/23/2019 | 13:28     |
| 7   | K1556-02    |                   | 1  | 5.06               | 50                | 2.00    | 5.20       | 6.90     | 1.70          | 0.30              | 0.18                       | 14.23        | 02/23/2019 | 13:30     |
| 8   | K1586-04    |                   | 1  | 5.04               | 50                | 2.00    | 6.90       | 8.66     | 1.76          | 0.24              | 0.12                       | 9.52         | 02/23/2019 | 13:32     |
| 9   | K1592-04    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.70     | 1.70          | 0.30              | 0.18                       | 14.40        | 02/23/2019 | 13:35     |
| 10  | K1595-02    |                   | 1  | 5.01               | 50                | 2.00    | 1.70       | 3.42     | 1.72          | 0.28              | 0.16                       | 12.77        | 02/23/2019 | 13:38     |
| 11  | K1595-04    |                   | 1  | 5.02               | 50                | 2.00    | 3.42       | 5.16     | 1.74          | 0.26              | 0.14                       | 11.16        | 02/23/2019 | 13:40     |
| 12  | K1595-06    |                   | 1  | 5.05               | 50                | 2.00    | 5.16       | 6.84     | 1.68          | 0.32              | 0.20                       | 15.84        | 02/23/2019 | 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  | K1595-08 |                   | 1  | 5.01               | 50                | 2.00    | 6.84       | 8.70     | 1.86          | 0.14              | 0.02                       | 1.60         | 02/23/2019 | 13:45     |
| 14  | K1596-04 |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.62     | 1.62          | 0.38              | 0.26                       | 20.68        | 02/23/2019 | 13:48     |
| 15  | K1596-05 |                   | 1  | 5.02               | 50                | 2.00    | 1.62       | 3.36     | 1.74          | 0.26              | 0.14                       | 11.16        | 02/23/2019 | 13:50     |
| 16  | K1596-06 |                   | 1  | 5.01               | 50                | 2.00    | 3.36       | 5.02     | 1.66          | 0.34              | 0.22                       | 17.56        | 02/23/2019 | 13:52     |
| 17  | K1597-02 |                   | 1  | 5.03               | 50                | 2.00    | 5.02       | 6.54     | 1.52          | 0.48              | 0.36                       | 28.63        | 02/23/2019 | 13:55     |
| 18  | K1597-04 |                   | 1  | 5.00               | 50                | 2.00    | 6.54       | 8.26     | 1.72          | 0.28              | 0.16                       | 12.80        | 02/23/2019 | 13:58     |
| 19  | K1597-12 |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.62     | 1.62          | 0.38              | 0.26                       | 20.76        | 02/23/2019 | 14:02     |
| 20  | K1597-16 |                   | 1  | 5.05               | 50                | 2.00    | 1.62       | 3.38     | 1.76          | 0.24              | 0.12                       | 9.50         | 02/23/2019 | 14:05     |

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