

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101153

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   | PB117591BL  |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.00                       | 0.00         | 03/04/2019 | 14:45     |
| 2   | K1688-02    |                   | 1  | 5.03               | 50                | 2.00    | 1.86       | 3.66     | 1.80          | 0.20              | 0.06                       | 4.77         | 03/04/2019 | 14:48     |
| 3   | K1688-02DUP |                   | 1  | 5.04               | 50                | 2.00    | 3.66       | 5.48     | 1.82          | 0.18              | 0.04                       | 3.17         | 03/04/2019 | 14:50     |
| 4   | K1688-04    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.02                       | 1.60         | 03/04/2019 | 14:52     |
| 5   | K1688-06    |                   | 1  | 5.02               | 50                | 2.00    | 1.84       | 3.58     | 1.74          | 0.26              | 0.12                       | 9.56         | 03/04/2019 | 14:55     |
| 6   | K1688-08    |                   | 1  | 5.02               | 50                | 2.00    | 3.58       | 5.42     | 1.84          | 0.16              | 0.02                       | 1.59         | 03/04/2019 | 14:58     |
| 7   | K1688-10    |                   | 1  | 5.03               | 50                | 2.00    | 5.42       | 7.18     | 1.76          | 0.24              | 0.10                       | 7.95         | 03/04/2019 | 15:02     |
| 8   | K1688-12    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.58     | 1.58          | 0.42              | 0.28                       | 22.31        | 03/04/2019 | 15:05     |
| 9   | K1688-14    |                   | 1  | 5.00               | 50                | 2.00    | 1.58       | 3.40     | 1.82          | 0.18              | 0.04                       | 3.20         | 03/04/2019 | 15:08     |
| 10  | K1688-16    |                   | 1  | 5.03               | 50                | 2.00    | 3.40       | 4.90     | 1.50          | 0.50              | 0.36                       | 28.63        | 03/04/2019 | 15:10     |
| 11  | K1688-18    |                   | 1  | 5.02               | 50                | 2.00    | 4.90       | 6.66     | 1.76          | 0.24              | 0.10                       | 7.97         | 03/04/2019 | 15:12     |
| 12  | K1688-20    |                   | 1  | 5.00               | 50                | 2.00    | 6.66       | 8.24     | 1.58          | 0.42              | 0.28                       | 22.40        | 03/04/2019 | 15:15     |

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  | K1706-03 |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.40     | 1.40          | 0.60              | 0.46                       | 36.65        | 03/04/2019 | 15:18     |
| 14  | K1707-02 |                   | 1  | 5.05               | 50                | 2.00    | 1.40       | 3.00     | 1.60          | 0.40              | 0.26                       | 20.59        | 03/04/2019 | 15:20     |
| 15  | K1707-04 |                   | 1  | 5.01               | 50                | 2.00    | 3.00       | 4.50     | 1.50          | 0.50              | 0.36                       | 28.74        | 03/04/2019 | 15:22     |
| 16  | K1707-06 |                   | 1  | 5.00               | 50                | 2.00    | 4.50       | 6.02     | 1.52          | 0.48              | 0.34                       | 27.20        | 03/04/2019 | 15:25     |

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