

Analysis Method: 9034  
 Parameter: Reactive Sulfide  
 Run Number: LB114046

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

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP90315   |
| IODINE SOLUTION .025N 1L          | W2763     |
| Starch Solution, 4L               | W2703     |

| 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   | PB135827BL  |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.92     | 1.92          | 0.08              | 0.00                       | 0.00         | 04/19/2021 | 13:05     |
| 2   | M2075-02    |                   | 1  | 5.02               | 50                | 2.00    | 1.92       | 3.80     | 1.88          | 0.12              | 0.04                       | 3.19         | 04/19/2021 | 13:08     |
| 3   | M2075-02DUP |                   | 1  | 5.04               | 50                | 2.00    | 3.80       | 5.70     | 1.90          | 0.10              | 0.02                       | 1.59         | 04/19/2021 | 13:12     |
| 4   | M2075-05    |                   | 1  | 5.05               | 50                | 2.00    | 5.70       | 7.56     | 1.86          | 0.14              | 0.06                       | 4.75         | 04/19/2021 | 13:15     |
| 5   | M2075-08    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.40         | 04/19/2021 | 13:18     |
| 6   | M2075-11    |                   | 1  | 5.02               | 50                | 2.00    | 1.84       | 3.66     | 1.82          | 0.18              | 0.10                       | 7.97         | 04/19/2021 | 13:22     |
| 7   | M2075-14    |                   | 1  | 5.03               | 50                | 2.00    | 3.66       | 5.50     | 1.84          | 0.16              | 0.08                       | 6.36         | 04/19/2021 | 13:25     |
| 8   | M2075-17    |                   | 1  | 5.04               | 50                | 2.00    | 5.50       | 7.32     | 1.82          | 0.18              | 0.10                       | 7.94         | 04/19/2021 | 13:28     |
| 9   | M2075-20    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.06                       | 4.78         | 04/19/2021 | 13:30     |
| 10  | M2075-23    |                   | 1  | 5.03               | 50                | 2.00    | 1.86       | 3.70     | 1.84          | 0.16              | 0.08                       | 6.36         | 04/19/2021 | 13:32     |
| 11  | M2075-26    |                   | 1  | 5.05               | 50                | 2.00    | 3.70       | 5.52     | 1.82          | 0.18              | 0.10                       | 7.92         | 04/19/2021 | 13:35     |
| 12  | M2075-29    |                   | 1  | 5.02               | 50                | 2.00    | 5.52       | 7.40     | 1.88          | 0.12              | 0.04                       | 3.19         | 04/19/2021 | 13:38     |

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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 Parameter: Reactive Sulfide  
 Run Number: LB114046

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

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP90315   |
| IODINE SOLUTION .025N 1L          | W2763     |
| Starch Solution, 4L               | W2703     |

| 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 |
|-----|----------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 13  | M2076-02 |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.35         | 04/19/2021 | 13:40     |
| 14  | M2076-05 |                   | 1  | 5.03               | 50                | 2.00    | 1.84       | 3.72     | 1.88          | 0.12              | 0.04                       | 3.18         | 04/19/2021 | 13:42     |
| 15  | M2076-08 |                   | 1  | 5.05               | 50                | 2.00    | 3.72       | 5.58     | 1.86          | 0.14              | 0.06                       | 4.75         | 04/19/2021 | 13:45     |
| 16  | M2076-11 |                   | 1  | 5.02               | 50                | 2.00    | 5.58       | 7.40     | 1.82          | 0.18              | 0.10                       | 7.97         | 04/19/2021 | 13:48     |
| 17  | M2076-14 |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.06                       | 4.79         | 04/19/2021 | 13:52     |
| 18  | M2076-17 |                   | 1  | 5.03               | 50                | 2.00    | 1.86       | 3.70     | 1.84          | 0.16              | 0.08                       | 6.36         | 04/19/2021 | 13:55     |
| 19  | M2076-20 |                   | 1  | 5.04               | 50                | 2.00    | 3.70       | 5.52     | 1.82          | 0.18              | 0.10                       | 7.94         | 04/19/2021 | 13:58     |

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