

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB92378

ANALYST: HIRAL

SUPERVISOR REVIEW BY: apatel

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W2252     |
| IODINE SOLUTION .025N 1L           | W2261     |
| Starch Solution, 4L                | W2121     |

| 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   | PB105342BL  |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.78     | 1.78          | 0.22              | 0.00                       | 0.00         | 12/26/2017 | 14:18     |
| 2   | I6684-06    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.68     | 1.68          | 0.32              | 0.10                       | 7.97         | 12/26/2017 | 14:24     |
| 3   | I6684-06DUP |                   | 1  | 5.05               | 50                | 2.00    | 1.68       | 3.34     | 1.66          | 0.34              | 0.12                       | 9.50         | 12/26/2017 | 14:30     |
| 4   | I6686-06    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.68     | 1.68          | 0.32              | 0.10                       | 7.95         | 12/26/2017 | 14:36     |
| 5   | I7049-03    |                   | 1  | 5.02               | 50                | 2.00    | 1.68       | 3.24     | 1.56          | 0.44              | 0.22                       | 17.53        | 12/26/2017 | 14:43     |
| 6   | I7055-01    |                   | 1  | 5.04               | 50                | 2.00    | 3.24       | 5.00     | 1.76          | 0.24              | 0.02                       | 1.59         | 12/26/2017 | 14:49     |
| 7   | I7055-02    |                   | 1  | 5.01               | 50                | 2.00    | 5.00       | 6.56     | 1.56          | 0.44              | 0.22                       | 17.56        | 12/26/2017 | 14:56     |
| 8   | I7056-03    |                   | 1  | 5.05               | 50                | 2.00    | 6.56       | 8.12     | 1.56          | 0.44              | 0.22                       | 17.43        | 12/26/2017 | 15:03     |
| 9   | I7061-01    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.58     | 1.58          | 0.42              | 0.20                       | 15.94        | 12/26/2017 | 15:09     |
| 10  | I7069-11    |                   | 1  | 5.01               | 50                | 2.00    | 1.58       | 3.10     | 1.52          | 0.48              | 0.26                       | 20.76        | 12/26/2017 | 15:16     |
| 11  | I7069-12    |                   | 1  | 5.03               | 50                | 2.00    | 3.10       | 4.68     | 1.58          | 0.42              | 0.20                       | 15.90        | 12/26/2017 | 15:22     |
| 12  | I7069-13    |                   | 1  | 5.03               | 50                | 2.00    | 4.68       | 6.00     | 1.32          | 0.68              | 0.46                       | 36.58        | 12/26/2017 | 15:29     |

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  | I7069-14 |                   | 1  | 5.02               | 50                | 2.00    | 6.00       | 7.50     | 1.50          | 0.50              | 0.28                       | 22.31        | 12/26/2017 | 15:36     |
| 14  | I7069-15 |                   | 1  | 5.04               | 50                | 2.00    | 7.50       | 8.90     | 1.40          | 0.60              | 0.38                       | 30.16        | 12/26/2017 | 15:43     |

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