

Analysis Method: 9034

ANALYST: HIRAL

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB92229

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   | PB105129BL  |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.60     | 1.60          | 0.40              | 0.00                       | 0.00         | 12/18/2017 | 14:46     |
| 2   | I6675-08    |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.42     | 1.42          | 0.58              | 0.18                       | 14.37        | 12/18/2017 | 14:52     |
| 3   | I6675-08DUP |                   | 1  | 5.02               | 50                | 2.00    | 1.42       | 2.86     | 1.44          | 0.56              | 0.16                       | 12.75        | 12/18/2017 | 14:59     |
| 4   | I6677-06    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.48     | 1.48          | 0.52              | 0.12                       | 9.52         | 12/18/2017 | 15:05     |
| 5   | I6677-08    |                   | 1  | 5.02               | 50                | 2.00    | 1.48       | 2.86     | 1.38          | 0.62              | 0.22                       | 17.53        | 12/18/2017 | 15:13     |
| 6   | I6680-20    |                   | 1  | 5.02               | 50                | 2.00    | 2.86       | 4.10     | 1.24          | 0.76              | 0.36                       | 28.69        | 12/18/2017 | 15:20     |
| 7   | I6744-12    |                   | 1  | 5.01               | 50                | 2.00    | 4.10       | 5.54     | 1.44          | 0.56              | 0.16                       | 12.77        | 12/18/2017 | 15:27     |
| 8   | I6927-03    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.40     | 1.40          | 0.60              | 0.20                       | 16.00        | 12/18/2017 | 15:33     |
| 9   | I6940-03    |                   | 1  | 5.06               | 50                | 2.00    | 1.40       | 2.74     | 1.34          | 0.66              | 0.26                       | 20.55        | 12/18/2017 | 15:39     |
| 10  | I6957-05    |                   | 1  | 5.04               | 50                | 2.00    | 2.74       | 4.06     | 1.32          | 0.68              | 0.28                       | 22.22        | 12/18/2017 | 15:46     |
| 11  | I6957-06    |                   | 1  | 5.03               | 50                | 2.00    | 4.06       | 5.36     | 1.30          | 0.70              | 0.30                       | 23.86        | 12/18/2017 | 15:52     |
| 12  | I6957-07    |                   | 1  | 5.01               | 50                | 2.00    | 5.36       | 6.64     | 1.28          | 0.72              | 0.32                       | 25.55        | 12/18/2017 | 15:59     |

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  | I6957-08 |                   | 1  | 5.05               | 50                | 2.00    | 6.64       | 8.10     | 1.46          | 0.54              | 0.14                       | 11.09        | 12/18/2017 | 16:04     |
| 14  | I6958-02 |                   | 1  | 5.02               | 50                | 2.00    | 8.10       | 9.20     | 1.10          | 0.90              | 0.50                       | 39.84        | 12/18/2017 | 16:11     |

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