

Analysis Method: 9034

ANALYST: AMANDEEP

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB100330

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP69572   |
| IODINE SOLUTION .025N 1L          | W2410     |
| Starch Solution, 4L               | W2277     |

| 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   | PB116422BL |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.96     | 1.96          | 0.04              | 0.00                       | 0.00         | 01/16/2019 | 12:36     |
| 2   | K1012-08   |                   | 1  | 5.04               | 50                | 2.00    | 5.70       | 7.30     | 1.60          | 0.40              | 0.36                       | 28.57        | 01/16/2019 | 12:37     |
| 3   | K1012-10   |                   | 1  | 5.03               | 50                | 2.00    | 7.30       | 9.16     | 1.86          | 0.14              | 0.10                       | 7.95         | 01/16/2019 | 12:39     |
| 4   | K1012-12   |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.94     | 1.94          | 0.06              | 0.02                       | 1.58         | 01/16/2019 | 12:40     |
| 5   | K1147-03   |                   | 1  | 5.04               | 50                | 2.00    | 1.94       | 3.58     | 1.64          | 0.36              | 0.32                       | 25.40        | 01/16/2019 | 12:41     |
| 6   | K1147-06   |                   | 1  | 5.05               | 50                | 2.00    | 3.58       | 5.44     | 1.86          | 0.14              | 0.10                       | 7.92         | 01/16/2019 | 12:42     |
| 7   | K1147-09   |                   | 1  | 5.04               | 50                | 2.00    | 5.44       | 7.24     | 1.80          | 0.20              | 0.16                       | 12.70        | 01/16/2019 | 12:43     |
| 8   | K1147-12   |                   | 1  | 5.02               | 50                | 2.00    | 7.24       | 9.06     | 1.82          | 0.18              | 0.14                       | 11.16        | 01/16/2019 | 12:46     |
| 9   | K1147-15   |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.72     | 1.72          | 0.28              | 0.24                       | 19.16        | 01/16/2019 | 12:47     |
| 10  | K1147-18   |                   | 1  | 5.03               | 50                | 2.00    | 1.72       | 3.48     | 1.76          | 0.24              | 0.20                       | 15.90        | 01/16/2019 | 12:48     |
| 11  | K1147-21   |                   | 1  | 5.09               | 50                | 2.00    | 3.48       | 5.00     | 1.52          | 0.48              | 0.44                       | 34.58        | 01/16/2019 | 12:49     |
| 12  | K1147-24   |                   | 1  | 5.05               | 50                | 2.00    | 5.00       | 6.68     | 1.68          | 0.32              | 0.28                       | 22.18        | 01/16/2019 | 12:50     |

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  | K1147-27    |                   | 1  | 5.07               | 50                | 2.00    | 6.68       | 8.48     | 1.80          | 0.20              | 0.16                       | 12.62        | 01/16/2019 | 12:50     |
| 14  | K1147-27DUP |                   | 1  | 5.06               | 50                | 2.00    | 5.82       | 7.60     | 1.78          | 0.22              | 0.18                       | 14.23        | 01/16/2019 | 12:51     |

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