

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB96151

ANALYST: HIRAL

SUPERVISOR REVIEW BY: ketankumar

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W2337     |
| IODINE SOLUTION .025N 1L           | W2349     |
| 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   | PB110423BL  |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.00                       | 0.00         | 06/20/2018 | 11:52     |
| 2   | J3245-10    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.58     | 1.58          | 0.42              | 0.24                       | 19.01        | 06/20/2018 | 11:54     |
| 3   | J3245-10DUP |                   | 1  | 5.04               | 50                | 2.00    | 1.58       | 3.18     | 1.60          | 0.40              | 0.22                       | 17.46        | 06/20/2018 | 11:56     |
| 4   | J3245-12    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.46     | 1.46          | 0.54              | 0.36                       | 28.57        | 06/20/2018 | 11:58     |
| 5   | J3245-14    |                   | 1  | 5.05               | 50                | 2.00    | 1.46       | 3.06     | 1.60          | 0.40              | 0.22                       | 17.43        | 06/20/2018 | 12:00     |
| 6   | J3245-16    |                   | 1  | 5.06               | 50                | 2.00    | 3.06       | 4.44     | 1.38          | 0.62              | 0.44                       | 34.78        | 06/20/2018 | 12:02     |
| 7   | J3247-06    |                   | 1  | 5.05               | 50                | 2.00    | 4.44       | 6.18     | 1.74          | 0.26              | 0.08                       | 6.34         | 06/20/2018 | 12:04     |
| 8   | J3603-02    |                   | 1  | 5.01               | 50                | 2.00    | 6.18       | 7.46     | 1.28          | 0.72              | 0.54                       | 43.11        | 06/20/2018 | 12:06     |
| 9   | J3603-04    |                   | 1  | 5.03               | 50                | 2.00    | 7.46       | 8.96     | 1.50          | 0.50              | 0.32                       | 25.45        | 06/20/2018 | 12:08     |
| 10  | J3603-06    |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.40     | 1.40          | 0.60              | 0.42                       | 33.60        | 06/20/2018 | 12:10     |
| 11  | J3603-08    |                   | 1  | 5.06               | 50                | 2.00    | 1.40       | 2.92     | 1.52          | 0.48              | 0.30                       | 23.72        | 06/20/2018 | 12:12     |
| 12  | J3603-10    |                   | 1  | 5.02               | 50                | 2.00    | 2.92       | 4.20     | 1.28          | 0.72              | 0.54                       | 43.03        | 06/20/2018 | 12:12     |

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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| 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  | J3603-12 |                   | 1  | 5.01               | 50                | 2.00    | 4.20       | 5.44     | 1.24          | 0.76              | 0.58                       | 46.31        | 06/20/2018 | 12:16     |
| 14  | J3603-14 |                   | 1  | 5.05               | 50                | 2.00    | 5.44       | 7.00     | 1.56          | 0.44              | 0.26                       | 20.59        | 06/20/2018 | 12:18     |
| 15  | J3603-16 |                   | 1  | 5.04               | 50                | 2.00    | 7.00       | 8.10     | 1.10          | 0.90              | 0.72                       | 57.14        | 06/20/2018 | 12:20     |
| 16  | J3603-18 |                   | 1  | 5.03               | 50                | 2.00    | 8.10       | 9.34     | 1.24          | 0.76              | 0.58                       | 46.12        | 06/20/2018 | 12:22     |
| 17  | J3603-20 |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.22     | 1.22          | 0.78              | 0.60                       | 47.81        | 06/20/2018 | 12:24     |
| 18  | J3603-22 |                   | 1  | 5.01               | 50                | 2.00    | 1.22       | 2.48     | 1.26          | 0.74              | 0.56                       | 44.71        | 06/20/2018 | 12:26     |
| 19  | J3603-24 |                   | 1  | 5.05               | 50                | 2.00    | 2.48       | 3.72     | 1.24          | 0.76              | 0.58                       | 45.94        | 06/20/2018 | 12:28     |

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