

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB87542

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W2169     |
| IODINE SOLUTION .025N 1L           | W2205     |
| 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   | PB99076BL   |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 3.80     | 3.80          | 1.20              | 0.00                       | 0.00         | 05/18/2017 | 17:00     |
| 2   | I3199-07    |                   | 1  | 5.04               | 50                | 5.00    | 0.00       | 3.66     | 3.66          | 1.34              | 0.14                       | 11.11        | 05/18/2017 | 17:04     |
| 3   | I3199-07DUP |                   | 1  | 5.03               | 50                | 5.00    | 0.00       | 3.64     | 3.64          | 1.36              | 0.16                       | 12.72        | 05/18/2017 | 17:07     |
| 4   | I3199-08    |                   | 1  | 5.04               | 50                | 5.00    | 3.66       | 7.10     | 3.44          | 1.56              | 0.36                       | 28.57        | 05/18/2017 | 17:10     |
| 5   | I3199-09    |                   | 1  | 5.05               | 50                | 5.00    | 0.00       | 3.28     | 3.28          | 1.72              | 0.52                       | 41.19        | 05/18/2017 | 17:14     |
| 6   | I3202-15    |                   | 1  | 5.06               | 50                | 5.00    | 3.28       | 6.84     | 3.56          | 1.44              | 0.24                       | 18.97        | 05/18/2017 | 17:18     |
| 7   | I3202-16    |                   | 1  | 5.04               | 50                | 5.00    | 0.00       | 3.50     | 3.50          | 1.50              | 0.30                       | 23.81        | 05/18/2017 | 17:22     |
| 8   | I3202-17    |                   | 1  | 5.03               | 50                | 5.00    | 3.50       | 7.00     | 3.50          | 1.50              | 0.30                       | 23.86        | 05/18/2017 | 17:25     |
| 9   | I3202-18    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 3.38     | 3.38          | 1.62              | 0.42                       | 33.47        | 05/18/2017 | 17:28     |
| 10  | I3202-19    |                   | 1  | 5.01               | 50                | 5.00    | 3.38       | 6.50     | 3.12          | 1.88              | 0.68                       | 54.29        | 05/18/2017 | 17:32     |
| 11  | I3202-20    |                   | 1  | 5.06               | 50                | 5.00    | 0.00       | 3.26     | 3.26          | 1.74              | 0.54                       | 42.69        | 05/18/2017 | 17:35     |
| 12  | I3202-21    |                   | 1  | 5.05               | 50                | 5.00    | 3.26       | 6.22     | 2.96          | 2.04              | 0.84                       | 66.53        | 05/18/2017 | 17:38     |

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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| 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  | I3202-22 |                   | 1  | 5.04               | 50                | 5.00    | 0.00       | 3.14     | 3.14          | 1.86              | 0.66                       | 52.38        | 05/18/2017 | 17:42     |
| 14  | I3202-23 |                   | 1  | 5.03               | 50                | 5.00    | 3.14       | 6.22     | 3.08          | 1.92              | 0.72                       | 57.26        | 05/18/2017 | 17:45     |
| 15  | I3202-24 |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 2.90     | 2.90          | 2.10              | 0.90                       | 71.71        | 05/18/2017 | 17:48     |
| 16  | I3202-25 |                   | 1  | 5.04               | 50                | 5.00    | 2.90       | 5.90     | 3.00          | 2.00              | 0.80                       | 63.49        | 05/18/2017 | 17:52     |
| 17  | I3207-04 |                   | 1  | 5.05               | 50                | 5.00    | 0.00       | 2.72     | 2.72          | 2.28              | 1.08                       | 85.54        | 05/18/2017 | 17:55     |
| 18  | I3207-08 |                   | 1  | 5.06               | 50                | 5.00    | 2.72       | 5.52     | 2.80          | 2.20              | 1.00                       | 79.05        | 05/18/2017 | 18:00     |

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