

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB88813

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W2206     |
| IODINE SOLUTION .025N 1L           | W2251     |
| 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   | PB100774BL  |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.50     | 1.50          | 0.50              | 0.00                       | 0.00         | 07/19/2017 | 15:45     |
| 2   | I4250-03    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.48     | 1.48          | 0.52              | 0.02                       | 1.59         | 07/19/2017 | 15:47     |
| 3   | I4250-03DUP |                   | 1  | 5.03               | 50                | 2.00    | 1.48       | 2.94     | 1.46          | 0.54              | 0.04                       | 3.18         | 07/19/2017 | 15:50     |
| 4   | I4254-06    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.30     | 1.30          | 0.70              | 0.20                       | 15.87        | 07/19/2017 | 15:52     |
| 5   | I4258-03    |                   | 1  | 5.05               | 50                | 2.00    | 1.30       | 2.58     | 1.28          | 0.72              | 0.22                       | 17.43        | 07/19/2017 | 15:54     |
| 6   | I4258-06    |                   | 1  | 5.04               | 50                | 2.00    | 2.58       | 4.00     | 1.42          | 0.58              | 0.08                       | 6.35         | 07/19/2017 | 15:56     |
| 7   | I4258-09    |                   | 1  | 5.03               | 50                | 2.00    | 4.00       | 5.22     | 1.22          | 0.78              | 0.28                       | 22.27        | 07/19/2017 | 15:58     |
| 8   | I4265-03    |                   | 1  | 5.04               | 50                | 2.00    | 5.22       | 6.56     | 1.34          | 0.66              | 0.16                       | 12.70        | 07/19/2017 | 16:02     |
| 9   | I4272-02    |                   | 1  | 5.03               | 50                | 2.00    | 6.56       | 7.86     | 1.30          | 0.70              | 0.20                       | 15.90        | 07/19/2017 | 16:05     |
| 10  | I4274-02    |                   | 1  | 5.04               | 50                | 2.00    | 7.86       | 9.02     | 1.16          | 0.84              | 0.34                       | 26.98        | 07/19/2017 | 16:08     |
| 11  | I4274-05    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.16     | 1.16          | 0.84              | 0.34                       | 27.04        | 07/19/2017 | 16:10     |
| 12  | I4274-07    |                   | 1  | 5.04               | 50                | 2.00    | 1.16       | 2.44     | 1.28          | 0.72              | 0.22                       | 17.46        | 07/19/2017 | 16:12     |

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  | I4276-03 |                   | 1  | 5.03               | 50                | 2.00    | 2.44       | 3.68     | 1.24          | 0.76              | 0.26                       | 20.68        | 07/19/2017 | 16:14     |
| 14  | I4276-07 |                   | 1  | 5.04               | 50                | 2.00    | 3.68       | 5.02     | 1.34          | 0.66              | 0.16                       | 12.70        | 07/19/2017 | 16:16     |
| 15  | I4280-03 |                   | 1  | 5.03               | 50                | 2.00    | 5.02       | 5.96     | 0.94          | 1.06              | 0.56                       | 44.53        | 07/19/2017 | 16:18     |
| 16  | I4280-06 |                   | 1  | 5.04               | 50                | 2.00    | 5.96       | 7.14     | 1.18          | 0.82              | 0.32                       | 25.40        | 07/19/2017 | 16:20     |
| 17  | I4280-09 |                   | 1  | 5.03               | 50                | 2.00    | 7.14       | 8.14     | 1.00          | 1.00              | 0.50                       | 39.76        | 07/19/2017 | 16:22     |
| 18  | I4280-12 |                   | 1  | 5.06               | 50                | 2.00    | 8.14       | 9.28     | 1.14          | 0.86              | 0.36                       | 28.46        | 07/19/2017 | 16:25     |

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