

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124577

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W2941     |
| IODINE SOLUTION .025N 1L           | W2924     |
| Starch Solution, 4L                | W2977     |

| 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   | PB151505BL  |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.92     | 1.92          | 0.08              | 0.00                       | 0.00         | 03/20/2023 | 12:50     |
| 2   | O1954-02    |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.04                       | 3.16         | 03/20/2023 | 12:53     |
| 3   | O1954-02DUP |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.04                       | 3.16         | 03/20/2023 | 12:56     |
| 4   | O1954-04    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.92         | 03/20/2023 | 12:58     |
| 5   | O1954-06    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.36         | 03/20/2023 | 13:00     |
| 6   | O1954-08    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.97         | 03/20/2023 | 13:03     |
| 7   | O1954-10    |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.06                       | 4.76         | 03/20/2023 | 13:06     |
| 8   | O1963-02    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.37         | 03/20/2023 | 13:08     |
| 9   | O1964-02    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.92         | 03/20/2023 | 13:10     |
| 10  | O1964-05    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.04                       | 3.17         | 03/20/2023 | 13:13     |
| 11  | O1964-08    |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.06                       | 4.73         | 03/20/2023 | 13:15     |
| 12  | O1964-11    |                   | 1  | 5.08               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.04                       | 3.15         | 03/20/2023 | 13:18     |

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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| IODINE SOLUTION .025N 1L           | W2924     |
| Starch Solution, 4L                | W2977     |

| 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  | O1974-02 |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.97         | 03/20/2023 | 13:20     |
| 14  | O1974-05 |                   | 1  | 5.04               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.06                       | 4.76         | 03/20/2023 | 13:23     |
| 15  | O1975-02 |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.31         | 03/20/2023 | 13:25     |
| 16  | O1975-05 |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.91         | 03/20/2023 | 13:27     |
| 17  | O2001-02 |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.34         | 03/20/2023 | 13:30     |
| 18  | O2001-05 |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.82     | 1.82          | 0.18              | 0.10                       | 7.89         | 03/20/2023 | 13:33     |
| 19  | O2001-08 |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.04                       | 3.16         | 03/20/2023 | 13:35     |
| 20  | O2002-02 |                   | 1  | 5.08               | 50                | 2.00    | 0.00       | 1.84     | 1.84          | 0.16              | 0.08                       | 6.30         | 03/20/2023 | 13:38     |

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